ELSEVIER

Information Processing Letters 70 (1999) 279–290

Information Processing Letters

www.elsevier.com/locate/ipl

Master Subject Index Volumes 61–70

2-Acyclic family of subtrees (66) 1
2-Colorable subgraph problem (61) 107
2-Independent set problem (61) 107
2CNF formulas (68) 161
2D C-string (64) 95
2D string (64) 95

3-Colouring (65) 17

4-connected sets (65) 293

802.4 (62) 47

#P (63) 33

β-skeleton (69) 215

Abelian monoids (67) 43
Abstract data types (64) 231
Abstract interpretation (70) 69
Abstract production system (64) 207
Abstract Voronoi diagram (63) 323
AC^0 (62) 165
Active attacks (65) 71
Acyclic join dependencies (68) 133
Acyclic relational database (66) 1
Ádám property (66) 149
Addition (62) 161
Admission control (68) 235
Advance reservation (68) 291
Algebraic circuit (62) 177
Algebraic complexity theory (67) 81
Algebraic decision trees (62) 209
Algebraic decoding (68) 271
Algebraic functions (61) 63
Algorithmic debugging (62) 305
Algorithmic learning theory (69) 1
Algorithms (61) 11, (61) 89, (61) 107, (61) 137, (61) 201, (61) 213, (61) 227, (61) 233, (61) 293, (61) 317, (62) 1, (62) 61, (62) 95, (62) 111, (62) 135, (62) 201, (62) 217, (62) 223, (62) 245, (62) 269, (62) 281, (62) 295, (62) 315, (63) 9, (63) 19, (63) 33, (63) 45, (63) 57, (63) 159, (63) 177, (63) 189, (63) 229, (63) 263, (63) 303, (63) 309, (64) 43, (64) 83, (64) 107, (64) 135, (64) 149, (64) 161, (64) 173, (64) 197, (64) 203, (64) 305, (65) 1, (65) 11, (65) 63, (65) 95, (65) 111, (65) 117, (65) 125, (65) 145, (65) 163, (65) 217, (65) 269, (65) 277, (65) 305, (66) 1, (66) 27, (66) 35, (66) 59, (66) 65, (66) 81, (66) 87, (66) 109, (66) 115, (66) 119, (66) 127, (66) 141, (66) 161, (66) 181, (66) 209, (66) 291, (66) 299, (67) 21, (67) 57, (67) 75, (67) 91, (67) 177, (67) 227, (67) 231, (67) 239, (67) 255, (67) 261, (67) 303, (68) 17, (68) 71, (68) 79, (68) 141, (68) 153, (68) 189, (68) 201, (68) 255, (68) 271, (68) 291, (68) 313, (69) 1, (69) 7, (69) 53, (69) 63, (69) 87, (69) 145, (69) 189, (69) 239, (69) 271, (69) 275, (70) 17, (70) 39, (70) 53, (70) 57, (70) 63, (70) 107, (70) 127, (70) 141, (70) 147, (70) 175, (70) 233, (70) 255
All Nearest Smaller Values (65) 135
Alphabetic trees (67) 137
Amortized analysis (66) 175
Amortized complexity (61) 279
Analog-to-residue converter (69) 249
Analysis of algorithms (61) 49, (61) 55, (61) 101, (61) 113, (61) 145, (61) 227, (61) 279, (61) 297, (62) 135, (62) 213, (62) 223, (62) 329, (63) 63, (63) 75, (63) 91, (63) 103, (63) 165, (63) 171, (63) 183, (63) 195, (63) 277, (64) 197, (64) 217, (64) 293, (65) 101, (65) 241, (65) 319, (67) 71, (67) 125, (67) 137, (67) 295, (68) 125, (68) 167, (69) 47, (69) 259, (70) 185
Analysis/design of algorithms (66) 41
Anonymous ring (63) 109
Anti-factorial language (67) 111
Approximate algorithms (67) 261
Approximate binary search (67) 261
Approximate pattern matching (68) 125, (70) 185
Approximation (63) 143, (65) 145, (65) 151, (66) 165, (68) 17, (68) 249, (69) 127, (70) 17
Approximation algorithms (61) 49, (61) 101, (61) 121, (61) 195, (61) 227, (61) 317, (63) 237, (64) 165, (64) 251, (64) 293, (65) 117, (65) 131, (65) 229, (65) 305, (66) 81, (67) 267, (68) 11, (68) 241, (69) 53
Approximation hardness (70) 53
Approximation scheme (64) 293, (70) 53
Approximation threshold (68) 241
Arbitrary CRCW PRAM (67) 141
Arc consistency (70) 175
Area requirement (62) 81
Arrangements (63) 215, (67) 273, (68) 25
Artin's constant (62) 145

Elsevier Science B.V.

Associative one-way functions (AOWFs) (64) 239
Asteroidal triple-free graph (68) 201
Asymptotic bound (67) 227
ATM (65) 179
Attribute grammar (62) 305
Authenticated encryption (63) 247
Authentication (62) 77, (65) 7, (69) 297
Authentication protocols (62) 251
Authentication scheme (65) 189
Automata (64) 123, (67) 221
Automata theory (68) 283
Automatic theorem proving (65) 285, (67) 43, (67) 215, (68) 63, (69) 107, (69) 221
Automaton (64) 53
Average case analysis (62) 213
Average distance (66) 215
Average edge length (70) 241
AVL trees (68) 79
Avoiding a word (67) 111
Axioms (68) 133
Axis parallel (65) 95

Back referencing (65) 169
Backwards analysis (67) 303
Balance (69) 21
Balanced Boolean functions (70) 157
Balanced graph (65) 301
Balanced matrix (65) 301
Balancedness (65) 139
Bandwidth (68) 313
Barrier synchronization (66) 247
Batching (64) 69
Behavioral equivalences (70) 23
Bernoulli numbers (62) 145, (65) 89
Biased number generation (62) 95
Bichromaticity (62) 5
Bifurcation ratio of lung (69) 47
Bin packing (63) 45, (64) 293, (65) 229
Binary decision diagram (66) 195
Binary search (67) 137, (68) 261, (70) 205
Binary tree sequences (68) 113
Binary trees (63) 303, (65) 235
Bipartite (66) 125
Bipartite graph (68) 141
Bipartiteness (62) 5
Bisimulation (67) 119
Bisimulation preorder (64) 127
Block cipher (66) 317
Block sensitivity (68) 93
Boolean circuits (63) 257
Boolean formulas (64) 179
Boolean functions (61) 209, (64) 37, (65) 139, (68) 93, (69) 21
Boolean hierarchy (66) 13
Boolean sums (66) 53
Bottleneck traveling salesman problem (67) 105
Bounded fan-out (70) 191
Bounded-degree processor networks (66) 269
Boyce–Codd Normal Form (62) 255
Branching program (65) 217
Breadth-first search trees (61) 311
Broadcast communication (65) 89
Broadcast encryption (69) 131
Broadcasting (66) 93, (66) 181, (66) 321, (68) 63
Broadcasting with selective reduction (65) 135
Broadcasts (63) 271, (69) 155
Brother trees (68) 79
BS-strategy (68) 261
BSP-trees (64) 309
Bulk Synchronous Parallel (BSP) model (66) 247
Bushiness (66) 49
Butterfly (66) 59
Butterfly graphs (61) 25
Butterfly network (62) 231
Byzantine agreement (65) 125
Byzantine generals problem (65) 125

$C_{3,1}$ problem (61) 107
Cache (67) 305
Cached data (65) 209
CAD (67) 267
Calculus of relations (63) 1
Cancellation (62) 177
Canonical decomposition (62) 315
Cartesian product (61) 173
Cauchy's formula (66) 171
Causality (70) 119
Cause–effect structures (68) 219
Cayley graphs (61) 247, (61) 259, (61) 331, (64) 299, (68) 179
Center point (61) 271
Centers (65) 131
Chain graphs (68) 313
Chaining mode (68) 215
Channel graphs (69) 155
Chordal bipartite graphs (69) 87
Chordal graphs (70) 147
Chordal rings (69) 155
Chosen-message attack (70) 153
Chromatic index (66) 115
Circuit complexity (61) 161, (63) 287, (67) 87, (69) 175, (70) 95
Circuits (68) 275
Circulant graphs (61) 259, (66) 149
Circulant tridiagonal system (65) 331
Circular visibility (66) 119
Circularly-hidden surface removal (66) 119
Circularly-visible (66) 119
Class hierarchy (66) 309
Client/server (65) 209
Clique graphs (70) 147
Clock synchronization (65) 325
Clockwise and counterclockwise circuit (64) 83
Cluster analysis (61) 271
Codes (66) 21
Coding theory (69) 99
Coloring (61) 195

Coloring problem (62) 323
Combination (68) 255
Combination set operations (66) 195
Combinatorial algorithms (65) 235
Combinatorial algorithms on words (68) 125, (70) 185
Combinatorial analysis (61) 317
Combinatorial designs (69) 131
Combinatorial optimization (64) 251, (68) 63
Combinatorial problems (61) 25, (61) 77, (61) 83, (61) 101, (61) 137, (61) 157, (61) 205, (61) 227, (61) 259, (61) 293, (61) 297, (61) 317, (62) 1, (62) 135, (62) 217, (62) 223, (62) 289, (62) 295, (63) 33, (63) 51, (63) 69, (63) 171, (63) 309, (64) 83, (64) 173, (64) 187, (64) 293, (65) 67, (65) 173, (65) 183, (65) 235, (65) 293, (65) 319, (66) 41, (66) 59, (66) 165, (67) 57, (67) 199, (67) 239, (67) 295, (68) 55, (68) 93, (68) 113, (68) 249, (68) 295, (69) 123, (69) 189, (69) 283, (70) 7, (70) 53
Combinatorial problems (maximum clique problem) (62) 61
Combining multiple decisions (62) 67
Common modulus attack (70) 153
Common-multiplicand multiplication (66) 105
Communication algorithms (61) 43
Communication complexity (67) 37, (67) 87
Communication networks (66) 127, (68) 291
Communication ring (64) 61
Communication-induced checkpointing (69) 31
Comparison model (62) 103
Competitive analysis (63) 79, (63) 171, (63) 183, (66) 27, (67) 9
Competitive ratios (62) 213
Competitiveness (67) 131
Compilers (62) 305, (64) 75
Complement graph (66) 209
Complement Spanning-Tree Matrix theorem (65) 183
Complete axiomatization (69) 221
Complete graphs (66) 115, (68) 39, (70) 241
Completeness via logical reductions (63) 147
Complexity (63) 23, (63) 137, (66) 7, (66) 291, (68) 71
Complexity of finite functions (67) 87
Composite moduli (67) 87
Compressibility (62) 259
Computability (69) 291
Computation model (66) 255
Computational biology (63) 263
Computational complexity (61) 1, (61) 69, (61) 83, (61) 137, (61) 161, (61) 189, (61) 195, (61) 205, (61) 265, (61) 297, (62) 13, (62) 61, (62) 121, (62) 145, (62) 177, (62) 209, (62) 217, (62) 259, (62) 265, (62) 295, (63) 45, (63) 69, (63) 119, (63) 143, (63) 147, (63) 153, (63) 195, (63) 229, (63) 251, (63) 257, (63) 283, (63) 287, (64) 61, (64) 69, (64) 143, (64) 165, (64) 239, (64) 283, (64) 299, (64) 305, (65) 1, (65) 75, (65) 119, (65) 151, (65) 173, (65) 179, (65) 195, (65) 241, (65) 269, (65) 277, (66) 41, (66) 53, (66) 65, (66) 161, (66) 165, (66) 187, (66) 209, (67) 29, (67) 37, (67) 87, (67) 105, (67) 131, (67) 141, (67) 151, (67) 205, (67) 215, (67) 227, (67) 239, (67) 305, (67) 317, (68) 3, (68) 33, (68) 119, (68) 153, (68) 161, (68) 167, (68) 241, (68) 249, (68) 299, (69) 1, (69) 77, (69) 83, (69) 111, (69) 167, (69) 175, (69) 181, (69) 201, (69) 221, (69) 239, (69) 267, (69) 309, (70) 63, (70) 95, (70) 157, (70) 205
Computational geometry (61) 37, (61) 89, (61) 183, (61) 271, (62) 81, (62) 89, (62) 245, (63) 97, (63) 103, (63) 215, (63) 237, (64) 1, (64) 107, (64) 263, (64) 309, (65) 95, (65) 111, (65) 201, (65) 293, (66) 49, (66) 133, (66) 171, (66) 187, (66) 277, (67) 273, (68) 3, (68) 25, (68) 33, (68) 97, (68) 307, (69) 7, (69) 25, (69) 39, (69) 127, (69) 189, (69) 215
Computational information content (64) 207
Computational learning theory (68) 189
Computational molecular biology (62) 135
Computer aided design (69) 267
Computer algebra (61) 201
Computer architecture (62) 161, (70) 13
Computer arithmetic (66) 155
Computing kernels (62) 5
Concept learning (67) 75
Concurrency (61) 149, (61) 287, (64) 29, (64) 127, (66) 285, (67) 95, (67) 119, (67) 185, (67) 277, (68) 219, (69) 137, (69) 233, (70) 23, (70) 69, (70) 119, (70) 269
Concurrency control (63) 189, (65) 247
Concurrent write PRAM (63) 165
Conference key distribution (62) 189
Confluent system (61) 91
Conformance testing (65) 261
Connectivity (65) 11, (66) 209
coNP-completeness (68) 161
Consecutive retrieval property (69) 15
Consensus (69) 243
Conservativeness (64) 231
Constant amortized time (69) 123
Constant dilation (63) 123
Constrainedness (65) 241
Constraint logic programming (62) 111
Constraint network (70) 175
Constraint satisfaction (62) 111, (66) 41
Constraint satisfaction problem (66) 195, (70) 175
Constraints (70) 165
Contact (66) 125
Containment (61) 25, (65) 209
Contention analysis (66) 255
Contour lines (66) 171
Convex distance function (63) 323
Convex polygons (61) 89, (62) 245
Correlation attacks (64) 37
Correlation coefficients (70) 89
Correlation immune function (61) 209
Corridors (68) 25
Cost model (69) 69
Coterie (64) 9, (67) 191
Counterfeit coin problem (67) 131
Cover-free families (67) 57
CREW PRAM (63) 331
Crossed cube (61) 221
Cryptanalysis (69) 95, (70) 79, (70) 153
Cryptocomplexity (64) 239
Cryptographic attack (69) 297

Cryptographic protocols (64) 239
Cryptography (61) 165, (61) 209, (62) 77, (62) 189, (62) 251, (63) 19, (63) 41, (63) 247, (63) 317, (64) 37, (64) 239, (65) 25, (65) 47, (65) 71, (65) 139, (66) 21, (66) 105, (66) 155, (66) 317, (68) 107, (68) 197, (68) 215, (68) 227, (69) 21, (69) 95, (69) 131, (69) 145, (69) 201, (69) 227, (70) 79, (70) 83, (70) 89, (70) 153, (70) 211
Cryptology (63) 41, (64) 239
Cube-connected cycles (61) 157
Cut edge (68) 55
Cut vertex (68) 55
Cutting Planes proof (67) 37
Cyclic tasks (65) 173

Data placement (68) 235
Data portion (65) 261
Data structures (61) 55, (61) 97, (61) 213, (63) 9, (63) 75, (64) 1, (64) 149, (64) 155, (64) 245, (64) 263, (64) 315, (65) 41, (65) 235, (66) 165, (67) 163, (68) 1, (69) 7, (69) 119, (69) 197, (69) 253, (70) 63, (70) 107, (70) 223, (70) 255
Data sufficiency (65) 209
Data-parallel algorithms (67) 21
Database transactions (63) 221
Databases (61) 55, (61) 149, (62) 193, (62) 255, (62) 269, (63) 189, (63) 221, (64) 1, (64) 135, (65) 63, (65) 209, (65) 247, (68) 133, (69) 69, (70) 165
De Bruijn graphs (61) 25
De Bruijn network (62) 231
Deadlock resolution (69) 149
Debugging (62) 305, (68) 87
Decidability (61) 91, (63) 283
Decimal adjust after add (62) 161
Decimal arithmetic (62) 161
Decision tree (62) 265
Decision tree minimization (70) 233
Declarative programming (67) 1
Decoding algorithms (61) 97, (69) 119
Decoding methods (64) 271
Definite iteration (69) 207
Definitional trees (67) 1
Delaunay triangulation (62) 245
Dense instances (70) 53
Density (61) 271
Dependency basis (64) 135
Dependency-directed approximation (62) 67
Depth-first search (61) 113, (63) 13
Depth-size optimal (70) 191
Descriptive complexity (63) 147, (64) 187, (69) 77
Descriptive complexity theory (63) 251
Design of algorithms (61) 77, (61) 113, (61) 121, (62) 153, (62) 193, (62) 223, (63) 91, (63) 167, (63) 237, (65) 131, (67) 9, (67) 31, (67) 95, (67) 295, (68) 1, (68) 113, (68) 125, (68) 167, (70) 185, (70) 245
Design pattern (70) 197
Detectable and undetectable faults (64) 29
Detection of cheaters (68) 107
Determinant (62) 177
Deterministic automata (61) 289
Dickson polynomials (69) 271
Dictionary problem (61) 213
Differential attack (66) 317
Diffie–Hellman assumption (70) 83
Digital signatures (64) 239, (65) 71, (68) 227, (69) 95
Dijkstra's algorithm (67) 317
Directed graphs (62) 5
Discrete event simulation (70) 119
Discrete optimization (69) 127
Discrete sets (65) 293
Discrete tomography (69) 283
Disjoint paths (67) 283
Disjunctive logic programs (62) 23
Distributed algorithms (63) 23
Distributed computing (61) 287, (61) 331, (62) 41, (63) 85, (63) 109, (64) 87, (64) 299, (65) 223, (66) 175, (67) 191, (67) 289, (67) 295, (68) 173, (69) 259, (70) 229, (70) 259
Distributed program reliability (64) 143
Distributed protocol (65) 33
Distributed systems (61) 205, (61) 233, (62) 31, (62) 251, (62) 301, (63) 295, (64) 9, (64) 143, (64) 299, (65) 125, (65) 255, (65) 325, (67) 151, (67) 157, (67) 191, (68) 87, (69) 31, (69) 59, (69) 99, (69) 149, (69) 243, (70) 119, (70) 269
Divide and conquer (65) 331, (69) 63
DNF (61) 289
Dominance (61) 37
Dominance searching (66) 277
Dominating point (64) 287
Dominating set (61) 11
Domination (63) 167
Domino effect (69) 31
Double-loop network (65) 255, (66) 201, (70) 259
Duration Calculus (66) 7
Dynamic constraints (62) 111
Dynamic data structures (68) 71, (68) 97
Dynamic Markov Compression (70) 223
Dynamic message routing (70) 259
Dynamic planar connectivity (62) 121
Dynamic programming (63) 57, (66) 35, (68) 3, (70) 127
Dynamic scheduling algorithm (68) 235
Dynamical systems (63) 137

Ear decomposition (70) 245
Economics of computation (66) 263
Edge coloring (66) 115, (68) 11, (70) 147
Edge domination (68) 241
Edge fault tolerance (61) 173
Edge-disjoint paths (64) 83
Edit distance (70) 127
Efficient algorithms (63) 167
ELALR(k) grammars (64) 75
Elementary formal system (69) 161
Elliptic curves (68) 227
ELR(k) grammars (64) 75
Embedding (63) 123, (64) 23
Encryption (68) 227

Encryption/decryption (62) 251
Entropy (68) 185
Enumeration (61) 209
Equational theory (70) 265
Equivalence of formulas (68) 161
EREW (67) 21
EREW PRAM (62) 153
Erlang distribution (63) 113
Error detection (67) 151
Errors (68) 261
Euclidean TSP (67) 231
Event structures (67) 119
Everywhere operator (64) 115
Evolutionary tree (63) 263
Exact bounds (66) 59
Exact learning (61) 289, (70) 233
Exhaustive search algorithm (66) 87
Existential second order logic (61) 69
EXP (69) 83
Expander graph (69) 303
Extendability (65) 11
Extended context-free grammars (64) 75
External memory (67) 305
Extremal sets (62) 329

Facility location (65) 131
Factor automaton (67) 111
Factor code (67) 111
Factorial language (67) 111
Factoring (70) 83
Failure detector (67) 289
Failure function (67) 111
Fairness (62) 31, (64) 43, (66) 71
Fast correlation attacks (70) 89
Fast exponentiation (66) 105
Fault diagnosis (69) 99
Fault tolerance (61) 221, (62) 41, (63) 205, (64) 29, (65) 33, (65) 157, (65) 223, (65) 325, (66) 93, (66) 201, (66) 285, (66) 321, (67) 51, (67) 289, (69) 31, (69) 99, (69) 155, (69) 167, (69) 243
Fault-tolerant message routing (65) 255, (70) 259
Feedback vertex problem (61) 107
Feedback vertex set (66) 59
Fields (61) 303
Financial games (66) 27
Finitary relation (64) 127
Finite automata (63) 137
Finite identification (64) 225
Finite model theory (61) 69, (63) 147, (64) 187, (69) 77
Finite size scaling (65) 241
Finite state automata (64) 75
Finite state machine minimization (66) 165
Finite-difference (63) 33
First-order definability (62) 193
First-order theory (68) 147
Fixed priority dispatching (67) 65
Fixed-parameter tractability (65) 163
Floating point arithmetic (66) 109
Flow (64) 83
Forbidden word (67) 111
Force-directed algorithm (67) 177
Formal analysis (65) 7
Formal languages (61) 69, (62) 57, (62) 171, (62) 289, (63) 137, (64) 53, (64) 75, (64) 123, (65) 57, (65) 169, (65) 313, (67) 91, (67) 95, (67) 111, (67) 221, (67) 277, (68) 283, (69) 59, (69) 137, (69) 161, (70) 217, (70) 265
Formal program derivation (63) 1
Formal semantics (62) 305, (64) 115, (67) 119, (68) 219, (70) 1, (70) 69, (70) 99
Formal series (67) 221
Formal specifications (64) 231
Four-connected planar graph (62) 315
Fourth Normal Form (62) 255
Fractals (64) 197
Fringe-balancing (65) 41
Function generation (63) 143
Functional dependencies (64) 135
Functional programming (61) 15, (70) 1

Galois connections (67) 169
Games on graphs (68) 119
Generalized p-cycles (62) 231
Generalized pattern matching (68) 125, (70) 185
Generating function (63) 33
Generation (64) 305
Genetic algorithms (65) 179
Genetic programming (66) 299
Geodetically connected (65) 81
Geometric duality (68) 25
Geometric inequalities (66) 171
Geometric optimization (66) 171
Ghost variable (68) 173
Global avalanche characteristics (65) 139, (69) 21
Global invariant (69) 233
Global snapshot (67) 151
Go (62) 121
Gossiping (68) 303
Grammatical inference (62) 57, (70) 217
Graph algorithms (63) 23, (68) 313, (70) 147, (70) 245
Graph clustering (61) 121
Graph coloring (61) 49, (67) 71
Graph diameter (61) 157
Graph drawing (62) 81, (63) 303, (66) 133, (67) 177, (70) 17
Graph embedding (61) 317
Graph isomorphism (66) 149, (66) 215, (69) 201
Graph labelings (61) 331
Graph minors (61) 227, (68) 55
Graph partition (62) 315
Graph representation (66) 209
Graph search (66) 209
Graph theory (62) 269, (63) 277, (64) 143, (65) 11
Graph theory (chordal graphs) (62) 61
Graphs (61) 233, (62) 281
Gray codes (68) 255, (70) 7

Greedy algorithm (64) 251, (70) 57
Greedy coloring (61) 77
Grid (63) 123
Group signature (69) 95
Group technology (69) 275
Group testing (67) 57
Group testing problem (67) 131
Guarded command (67) 95

Halin graph (67) 105
Halver (69) 303
Hamiltonian circuit (66) 141
Hamiltonian cycles (64) 23, (65) 157, (66) 171, (66) 201, (70) 53
Hamiltonian decomposition (61) 259
Hamiltonian path (61) 157, (68) 317
Hamming graphs (63) 91
Handshake (68) 173
Hard Real-Time (62) 47
Hardness of approximation (68) 241
Hardware implementation (64) 271
Harmonic analysis (70) 157
Hausdorff distance (64) 17
Heap (69) 197
Hichart (66) 187
Hidden surface removal (66) 119
Hierarchical memory (67) 305
High-order probability distribution (62) 67
Hilbert curves (62) 17
Hinge vertices (65) 81
Hitting time (69) 259
Hoare's logic (67) 145
Hopfield neural network (63) 271
Horn formulas (68) 161
Horton–Strahler number/order (69) 47
Huffman codes (61) 97, (64) 271, (69) 119
Huffman coding (68) 1
Hypercubes (61) 157, (64) 23, (66) 93, (66) 321, (68) 207

i-triangulated graph (70) 57
I-serializability (63) 221
ID-based system (70) 79
Identification in the limit (62) 57, (70) 217
Identity orientation (67) 227
Image databases (64) 95
Image processing (62) 121, (64) 17
Implicit polynomial representation (61) 201
Impossibility results (63) 85
Imprecise computation (67) 311
In-place algorithms (70) 31
Incremental query evaluation (62) 193
Incremental view maintenance (62) 193
Incrementally Extensible Hypercubes (64) 23
Independent set problem (68) 241
Independent spanning trees (69) 155
Induced subgraphs (65) 145
Inductive learning (68) 283
Inductive logic programming (64) 225
Infinite sets (62) 183
Infinite words (62) 289
Infinite-state systems (70) 23
Information content (68) 185
Information rate (63) 41, (70) 211
Information retrieval (64) 271, (69) 15
Information theory (62) 141
Inheritance conflicts (62) 269
Inheritance process (62) 269
Instruction level parallelism (67) 305
Integer greatest common divisor (GCD) (61) 31
Inter-protocol interleaving attack (69) 297
Interactive computing (67) 13
Interconnection networks (61) 25, (61) 43, (61) 157, (61) 247, (62) 201, (62) 231, (62) 237, (62) 295, (62) 301, (63) 205, (64) 23, (65) 183, (66) 141, (66) 149, (66) 215, (66) 269, (67) 283, (68) 179, (68) 207, (69) 243, (70) 13
Interface equation (67) 185
Intersection graph of subtrees (66) 1
Intersection searching (64) 263
Intertwining (64) 123
Interval graphs (61) 107, (66) 65
Interval tree (64) 287
Introduction of new operations (64) 231
Invariant (68) 173
Irredundant set (66) 65
Isometrical embeddings (67) 199
Isomorphism (70) 141
Iterated function systems (64) 197

Java multi-threaded programming (69) 233
Join dependencies (64) 135

k-ary n-cubes (61) 43
k-ary trees (65) 235, (70) 7
k-colorable graphs (63) 97
k-connectivity (61) 265
k-fold clique transversal problem (65) 301
k-MST problem (65) 117
k-mutual exclusion (67) 191
k-nearest neighbor query (69) 69
k-shortest paths (63) 177
kth-order dependency (62) 67
Kautz graphs (61) 25
Kautz network (62) 231
Key agreement problem (64) 239
Key distribution (62) 251, (69) 297
Key exchange (70) 83
Kleene algebra (70) 265
Knapsack (62) 217
Knapsack problem (67) 261
Kolmogorov complexity (62) 165, (62) 259, (64) 187, (67) 75, (67) 81
Kronecker product (61) 173, (68) 55

L-systems (62) 171
Labelled transition system with divergence (64) 127

Latin square (66) 141
Layered witness graph (64) 287
Learning (67) 131
Learning from good examples (64) 225
Learning theory (61) 63
Least cost paths (67) 317
Least median of squares regression (63) 237
Levels (68) 25
Lexicographic breadth-first search (70) 57
Line digraph (62) 237
Line segments (66) 125
Line separation (64) 309
Linear approximation (62) 89
Linear cellular automaton (61) 169, (66) 101
Linear codes (69) 267
Linear complexity (61) 165, (69) 227
Linear programming (65) 305
Linear recurrence relation (70) 153
Linear systolic arrays (61) 129
Linear time (64) 305, (70) 141
Linear-time algorithms (62) 315, (67) 267
Lines of action (62) 121
Link length (68) 317
List update (64) 155
Listing algorithms (69) 123
LMT-skeleton (69) 215
Load balancing (62) 301
Local computations (61) 233, (68) 307
Local map (61) 169, (66) 101
Location secrecy (65) 47
Logic (64) 115
Logic programming (62) 183, (67) 145
Logical characterizations of polynomial space (63) 147
Logical clocks (68) 87
Logical specifications (64) 231
Longest common subsequence problem (61) 129
Longest detour (67) 51
Longest Hamiltonian cycle problem (65) 119
Longest path (70) 53
Longest traveling salesperson problem (65) 119
Loop networks (67) 157
Loopless generating algorithms (68) 113
Loopless generation (65) 235, (70) 7
Lovász local lemma (62) 135
Lower bound theory (63) 331
Lower bounds (62) 103, (62) 121, (65) 33, (65) 111, (69) 267, (70) 205
Löwner–John ellipsoid (68) 33

MAC parameters (62) 47
Malleable (70) 47
Manhattan metric (65) 293
Manhattan street network (68) 179
Map labeling (65) 201, (69) 25
Martingales (69) 115
Matching (62) 281, (68) 11, (70) 95
Matrix theory (63) 283
Max k-Cut (65) 145
Max-flow problem (69) 239
Maximal dynamic flows (66) 127
Maximum cliques (67) 255
Maximum coverage problem (70) 39
Maximum flow (66) 291
Maximum h-colourable subgraph problem (65) 301
Maximum Independent Set problem (65) 151
Maximum matching (65) 107, (68) 11
Maximum neighborhood ordering (70) 147
Maximum set packing (63) 63
Maximum traveling salesman (67) 125
Maximum weight triangulation (70) 17
Medians (65) 293
Meeting time (69) 259
Mellin–Perron formula (65) 89
Memoization (64) 217
Memory hierarchy (66) 255, (66) 263
Mergeable priority queues (61) 279
Mergesort (70) 31
Merging (70) 31
Mesh (66) 59
Meshes (61) 173
Message authentication code (65) 189
Message corruption (65) 125
Message loss (65) 125
Message recovery (63) 247
Message-passing architectures (66) 247
Metacomputation (62) 127
Metric field (64) 17
Minimal matching (66) 161
Minimal perfect hashing (69) 253
Minimal separator (68) 201
Minimization (64) 123
Minimize congestion (67) 267
Minimum abort set (69) 149
Minimum broadcast graphs (68) 303
Minimum cost flow (66) 291
Minimum cover (64) 251
Minimum cut (64) 255
Minimum range cut (64) 255
Minimum spanning tree verification (62) 153
Minimum spanning trees (62) 213, (67) 303, (70) 241
Minimum transmission time (66) 127
Minimum-weight triangulation (69) 215
Minkowski sum (66) 171
Mobile networks (65) 47
Modal logic (64) 115
Modular arithmetic (66) 105, (67) 157
Modular decomposition (62) 281
Modular exponentiations (66) 155
Modulo adder (69) 249
Monge matrices (67) 231, (68) 3
Monotone circuit (67) 37
Most critical edge (67) 51
Most general unifier (62) 183
Motion planning (66) 171

Moving point of view (65) 269
Multi-dimensional access methods (61) 55
Multi-level memory hierarchy (66) 231
Multi-star graphs (65) 183, (68) 295
Multi-tape Turing machine (62) 259
Multicast (66) 87
Multidimensional grids (68) 317
Multidimensional index (69) 69
Multimedia databases (69) 69
Multimedia multicast (63) 309
Multimedia server (68) 235
Multiple constraints (69) 111
Multiplexer generator (70) 89
Multiprocessors (69) 99
Multiresource systems (70) 47
Multiset sorting (67) 141
Multisignature (70) 79
Multivalued dependencies (64) 135
Multivariate polynomials (61) 303
Multiway merge (70) 31
Mutual exclusion (62) 31, (64) 9

Nearest lattice vector (61) 183
Neededness (67) 1, (67) 245
Neighborhood chordal graph (66) 1
Nested relational calculus (70) 165
Network design (69) 63
Network flow (66) 109
Networks (64) 203
Neural networks (67) 177
New applications (64) 203
Newton polyhedron (62) 265
Newton's method (64) 173
Next operator (63) 243
Node and edge faults (68) 207
Node-disjoint paths (62) 201
Noise (68) 189
Non-deterministic expressions (61) 241
Non-finite axiomatizability (70) 265
Noncommunitative fields (64) 123
Nonlinear filter generator (64) 37
Nonlinear filters (69) 227
Nonlinearity (65) 139, (69) 21
Normalization (62) 255
NP-complete (63) 277, (65) 179
NP-completeness (66) 87, (66) 291, (69) 111
NP-hardness (66) 81, (68) 241
NPO-complete (65) 119
NUMA architectures (63) 113
Number theory (61) 31, (63) 19, (66) 155

Object-oriented (66) 309
Object-oriented dispatch (64) 315
Object-oriented programming (70) 99
Occam's Razor (64) 179
Off-line routing algorithm (67) 283
On-line algorithms (61) 11, (63) 51, (63) 79, (63) 171, (64) 155, (66) 27, (67) 9, (69) 39
On-line computation (62) 193
On-line scheduling (64) 43
One-time password (62) 77
One-way Turing machine (68) 299
OODB schema (62) 269
Operating systems (69) 149
Optimal (63) 123
Optimal algorithm (62) 153
Optimal approximation (62) 67
Optimal coloring (61) 77
Optimal message routing (65) 255, (70) 259
Optimal routing (61) 247
Optimality (68) 291
Optimistic synchronization (70) 119
Optimization (65) 95
Optimization of query evaluation (65) 63
Ordered Binary Decision Diagrams (62) 111
Orientation (63) 229
Orthogonal (66) 125
Orthogonal graph drawing (65) 111
Ortholattice (65) 285
Outerplanar graphs (68) 17

P/poly (69) 83
p-measure (61) 1
P-selective set (61) 1
PAC learning (61) 303, (63) 131, (64) 179, (65) 217, (68) 189
Packet radio network (63) 271
Page replacement (63) 183
Paging (67) 9
Pairwise comparisons (68) 185
Parallel algorithms (61) 15, (61) 31, (61) 129, (61) 253, (61) 265, (61) 311, (62) 41, (62) 153, (62) 323, (63) 165, (63) 331, (65) 107, (65) 135, (65) 331, (66) 223, (66) 285, (68) 79, (68) 275, (70) 63, (70) 191
Parallel architectures (61) 129
Parallel arithmetic computing (61) 31
Parallel computation (61) 253, (67) 267
Parallel dictionaries (68) 79
Parallel machine scheduling (64) 69
Parallel machines (66) 255
Parallel map (61) 169, (66) 101
Parallel models (66) 237
Parallel processing (61) 25, (61) 43, (61) 195, (61) 253, (63) 85, (63) 119, (64) 29, (66) 231, (66) 247, (66) 255, (68) 39, (69) 249, (70) 13, (70) 119, (70) 197
Parallel queries (66) 13
Parallel random permutation generation (67) 305
Parallelizable tasks (70) 47
Parameterized complexity (64) 165
Parameterized recurrent systems (69) 291
Parametric search (62) 89
Parentheses strings (68) 255
Parity branching programs (69) 267
Parity OBDDs (67) 163

Partial cover (64) 251
Partial deduction (62) 23
Partial evaluation (62) 127
Partial-order semantics (62) 31
Partially consistent hypothesis (64) 179
Partially ordered sets (63) 9, (64) 149
Pathwidth (68) 17
Pattern matching (61) 213, (61) 253, (64) 217, (65) 277, (68) 125, (70) 185
Pattern Matching with Swaps (68) 125
Pattern recognition (69) 189
Percolation (62) 121
Perfect graphs (67) 31
Perfect matching (65) 11
Performance analysis (66) 263
Performance evaluation (61) 323, (62) 161, (63) 113, (66) 223, (66) 237, (66) 263, (67) 65
Performance guarantee (70) 39
Period (69) 227
Periodic model (64) 87
Periodic tasks (64) 43
Permanent (63) 33
Permutation (65) 277
Permutation graphs (61) 311, (63) 13
Persistence (61) 37, (66) 277
Perspective view (65) 269
Petri nets (62) 31, (68) 219, (70) 269
Phase transition threshold (65) 17
Phase transitions (65) 241
Pictorial query (64) 95
Planar (66) 125
Planar graphs (64) 83
Planarity (68) 55
Plastic monoid (64) 53
Plus hierarchy (66) 13
Pointer Machines (68) 71
Polar lattice (61) 183
Polygon search (66) 49
Polynomial algorithms (67) 105
Polynomial time algorithm (63) 119, (68) 141
Polynomial time approximation algorithms (61) 205
Polynomial time hierarchy (69) 309
Polynomial time solvability (67) 29
Polyominoes (65) 293, (69) 283
Post's correspondence problem (63) 283, (67) 13
Potential function arguments (69) 239
PRAM (61) 265, (67) 21, (68) 275
PRAM algorithm (61) 7
PRAM model (62) 103
Precedence constraints (63) 119
Predicate detection (63) 295
Prediction (66) 237
Prefix circuits (70) 191
Prefix codes (66) 35
Preflow-push method (69) 239
Primitive and square-free morphisms (64) 277
Primitive operations (68) 33
Primitive words (64) 277
Priority queue (69) 197
Priority search tree (64) 287
Private-key algebraic-code cryptosystem (68) 215
Probabilistic analysis (64) 255, (65) 195, (69) 47, (70) 175
Probabilistic combination (62) 67
Probabilistic method (62) 135
Probabilistic processes (66) 71
Probabilistic Turing machines (61) 83
Problem of Zarankiewicz (66) 53
Process algebras (67) 95, (68) 47
Processor array (68) 179
Product distribution (68) 189
Program composition (62) 127
Program correctness (61) 287, (67) 145, (69) 137, (69) 207
Program derivation (61) 15
Program generation (62) 127
Program schemes (69) 77
Program specification (63) 159, (64) 115, (69) 221, (70) 99
Program transformations (62) 23
Program verification (69) 137, (70) 99
Programming calculi (61) 15, (62) 23, (70) 1
Programming languages (61) 287, (62) 127, (62) 183, (64) 315, (66) 309, (67) 1, (70) 1
Progress (62) 31
Progress property (69) 107
Projection-Join Normal Form (62) 255
Projections (65) 293
Projective planes (62) 13
Prolog (67) 145
Proof of correctness (64) 217
Proof rule (69) 207
Propagation criterion (69) 21
Propositional Duration Calculus (66) 7
Propositional logic (63) 251
Protocol vulnerabilities (65) 7
Protocols (65) 261
Pruning search space (66) 87
Pruning strategy (68) 179
Pseudo-random function (70) 83
Pseudo-random generator (69) 83
Pseudo-random sequences (61) 165, (69) 227
PSPACE (63) 143
PTAS (68) 241
Public key cryptography (63) 247, (64) 239, (68) 227
Public key cryptosystem (66) 105
Pure codes (64) 277
Pyramidally solvable case (67) 231

Quadrangle inequality (66) 35
Quantum computing (70) 205
Quantum logic (65) 285
Queries (61) 303
Query learning (67) 75
Query order (66) 13
Queuing networks (63) 113
Quickest paths (66) 127

Quorum (64) 9, (67) 191
Quorum systems (65) 223
Quorumcast routing (66) 87

Ramsey theory (62) 103
Random access files (69) 145
Random binary search trees (65) 195, (69) 47
Random graphs (67) 71
Random number generation (63) 69
Random number generator (66) 317
Random permutation (65) 195
Random sampling (62) 95
Random set generation (62) 95
Random walks (69) 259
Randomization (63) 51
Randomized algorithms (63) 79, (63) 215, (64) 155, (64) 255, (67) 87, (67) 141, (67) 303, (67) 305, (70) 229
Randomized strategy (67) 131
Randomness (69) 115
Range restriction (64) 263
Range searching (67) 317, (68) 97
Rational series (64) 123
Read-once branching programs (62) 13, (66) 53
Real computation (67) 81
Real time (67) 65
Real Turing machines (67) 81
Real-time and work-preserving emulations (66) 269
Real-time databases (63) 189
Real-time message transmission (61) 77
Real-time systems (61) 149, (65) 173, (65) 313, (66) 7, (67) 311, (68) 235
Realizability (62) 245
Recognition algorithm (65) 81
Recognizable languages (64) 53
Rectangle enclosure (61) 37
Recursion (65) 89
Recursive circulant graph (66) 141
Recursive types (62) 269
Reduction algorithm (67) 163
Reductions (64) 231
Refinement calculus (61) 241
Reflection attack (62) 77
Register (68) 173
Regular expressions (65) 169
Regular languages (62) 57, (70) 265
Regularity (70) 23
Rejection (64) 305
Relation algebra (62) 5
Relational database theory (64) 135
Relational databases (62) 255, (68) 133
Relational query (62) 193
Relativizations (61) 189, (69) 309
Release and due date assignment (68) 153
Release time (65) 75
Renaming Problem (61) 7
Repetition in a string (61) 253
Replacement selection (70) 107
Replay attack (62) 77
Replicated disk (61) 323
Replication (65) 223
Residual graph (64) 83
Resource allocation (69) 149
Resource-bounded measure (69) 83
Response time (70) 47
Restriction and exclusion operators (66) 195
Result-checking (64) 245
Reversibility (64) 207
Rewriting techniques (69) 271
Rice's method (65) 89
Richardson's theorem (62) 5
RM scheduling (62) 47
RNS (69) 249
Robust algorithms (61) 189
Robust schemes (68) 107
Rollback-recovery (69) 31, (70) 119
Ronald Book (69) 309
Root-neededness (67) 245
Rotation (65) 41
Routing (64) 203, (67) 317, (69) 111
Routing algorithm (63) 205
RSA (65) 71
Runtime prediction (66) 255

Safety/security in digital systems (62) 141, (63) 317, (65) 25, (65) 189, (65) 247, (68) 197
SAGBI bases (69) 271
Sandwich problems (67) 31
Satisfiability (68) 63
Scalability (66) 223
Scaled pattern matching (70) 185
Scheduling (61) 145, (61) 195, (63) 51, (63) 119, (65) 75, (65) 173, (65) 229, (67) 311, (68) 291, (69) 275, (70) 47
Scheduling analysis (67) 65
Schröder tree (64) 305
Search algorithms (69) 253
Search number (66) 49
Secret key exchange (64) 239
Secret multicast (65) 47
Secret sets (65) 47
Secret sharing (63) 41, (63) 317, (65) 25, (70) 211
Secret sharing schemes (68) 107, (69) 131
Security (65) 7
Security in digital systems (62) 189, (62) 251
Seek distance (61) 323
Seek time (61) 323
Self-adjusting data structures (61) 279
Self-organizing maps (67) 177
Self-stabilization (65) 325, (66) 285
Self-testing programs (61) 63
Semi-random sources (61) 83
Semidefinite programming (65) 305
Semirings (67) 221
Sense of direction (61) 331, (64) 299
Sensitivity (68) 93

Separable permutation (65) 277
Sequence alignment (70) 127
Sequences (66) 21
Sequencing (65) 75
Sequentiality (67) 245
Serializability (63) 221
Server-aided computation (65) 71
Session problem (64) 87
Set constraints (68) 147
Set cover (64) 251
Set covering problems (65) 67
Set splitting (65) 305
Set-theoretic algorithms (62) 329
Shadowed disk systems (61) 323
Shortest lattice vector (61) 183
Shortest paths (63) 1, (63) 177, (64) 203, (66) 127, (67) 51, (67) 157, (67) 317, (69) 87, (69) 111
Signature file (65) 101
Signcryption (68) 227
Similarity retrieval (64) 95
Simulation (68) 275
Single-headed disks (61) 323
Single machine scheduling (68) 153
Snapshot memory (65) 33
Software design and implementation (70) 197
Software development (64) 231
Software engineering (64) 231, (66) 309
Solution accuracy (68) 185
Sorting (64) 245, (70) 31, (70) 107
Spanning subgraphs (65) 145
Spanning trees (63) 13, (63) 277, (65) 183, (66) 81, (68) 295
Sparse sets (62) 209
Spatial reasoning (64) 95
Special graph classes (61) 121
Specification languages (63) 243, (69) 107, (69) 137, (70) 99
Spectral characterization (70) 157
Spin glasses (68) 167
Spurious message generation (65) 125
Square (63) 123
st-numbering (62) 315
Stable set (61) 137
Stacks (70) 63
Star free expressions (66) 7
Star graphs (62) 201, (66) 321, (68) 39
Star-shaped polygon (69) 39
Static program checking (70) 99
Statistics of a string (61) 253
Steiner minimum trees (69) 53
Steiner triple systems (65) 67
Stepwise refinement (64) 231
Stereo matching (63) 57
Stopping criterion (68) 185
Straight-line complexity (67) 81
Straight-line grid drawing (63) 97
Strategies (67) 245
Stream cipher (61) 209
Stream distribution (63) 309
Stretchability (67) 273
Strict reduction (65) 119
String matching (63) 195, (64) 217
String-rewriting system (61) 91
Strip packing (63) 171
Strong sequentiality (67) 1
Strongly balanced Boolean functions (70) 157
Strongly chordal graphs (65) 301, (69) 87
Structural equivalence (62) 171
Structural properties (69) 227
Structured operational semantics (68) 47
Stutter invariance (63) 243
Subliminal channel (62) 141
Submodule construction (67) 185
Subtrees (65) 195, (70) 141
Succinct problems (63) 251
Suffix trees (61) 213
Superimposed coding (65) 101
Symbolic computation (61) 201
Symbolic computing (61) 63
Symbolic databases (64) 95
Symbolic regression (66) 299
Symmetric-difference hierarchy (66) 13
Syndrome polynomial (68) 271
Syntactic congruences (67) 221
Syntactic nuclei (67) 221
System of affine recurrence equations (69) 291
Systolic architectures (61) 253
Systolic architectures methodologies (69) 291

t-spanner (62) 231, (62) 237
Tableaux (64) 53
Temporal logic (63) 243, (69) 221
Term rewriting (67) 1, (67) 43, (67) 245
Termination (67) 43
Termination problem (61) 91
Ternary Golay code (68) 271
Test sequence (65) 261
Theory of codes (62) 289
Theory of computation (61) 169, (61) 189, (61) 317, (63) 131, (63) 153, (63) 283, (64) 231, (64) 239, (64) 283, (65) 107, (65) 285, (66) 101, (67) 91, (67) 163, (67) 205, (68) 147, (69) 137, (69) 167, (69) 309, (70) 1, (70) 113, (70) 223, (70) 269
Third Normal Form (62) 255
Three-valued logic (67) 95
Threshold circuits (63) 287
Threshold dimension 2 graphs (67) 255
Throughput monotonicity (63) 113
Tidy drawing problem (66) 187
Time bounds (64) 87
Time dependence (65) 75
Time Warp (70) 119
Timed automata (65) 313
Timestamps (68) 87
Token ring (65) 157
Top-down skew heaps (61) 279

Torus (61) 173, (68) 179
Total coloring (70) 147
Total graphs (68) 241
Totally balanced matrix (65) 301
Traces of set systems (67) 199
Transient edge failures (67) 51
Transition systems (67) 119
Transitive closure (62) 193, (63) 159
Transposition (68) 255
Trapezoid graphs (62) 323, (63) 13
Traveling salesman problem (67) 231, (68) 3, (70) 53
Tree decomposition (68) 17
Tree drawing (66) 133
Tree layout (66) 187, (67) 21
Tree-structured diagram (66) 187
Trees (62) 81, (65) 41, (69) 63, (70) 141
Trees and connectivity (64) 161
Treewidth (61) 227
Triangulated graph (70) 57
Trie (70) 141
Turing machines (69) 291
Turn constraints (67) 317
Twin primes (62) 145
Two-dimensional information retrieval (61) 213
Two-way comparison search (67) 137
Two-way currency trading (66) 27

Unconditionally secure (65) 189
Undefined (64) 115
Underspecification (64) 115
Unidirectional (63) 109
Unification (69) 161
Unified architecture (66) 231
Uniform (64) 305
Uniform complexity (62) 259
Unit interval graphs (69) 15
UNITY (69) 107
Universal invariants (69) 271
Unlabeled hypercube (66) 181

Variable cost queries (68) 261
Vector packing (64) 293
Vector time (68) 87
Verification (66) 71
Verification method (69) 207
Vertex and edge connectivity (61) 221
Vertex and edge disjoint paths (61) 221
Vertex coloring of graphs (70) 229
Vertex cover (65) 163, (68) 141
Vertex ranking (68) 201
Visibility (65) 269
Visibility representation (62) 81
Visual languages (67) 13
VLSI (61) 129
VLSI design (69) 53
VLSI layout (68) 39
Voronoi diagram (63) 323, (68) 307

Waitfree (68) 173
WDM optimal networks (69) 53
Weak and strong space complexity (68) 299
Weak bisimulation (68) 47
Weak key attack (62) 77
Weakest liberal preconditions (67) 145
Weakest preconditions (61) 241, (67) 145
Weighted graph (61) 77
Weighted schemes (70) 211
Weighted voting (67) 191
Width of matrices (65) 67
Wireless communications (69) 53
Working set algorithm (63) 183
Worst case analysis (63) 171, (64) 293
Worst-case bounds (63) 51, (66) 49
Worst-case performance (65) 229
Worst-case ratio (61) 145

XOR-CNF formulas (68) 161

Zero-knowledge interactive proofs (69) 201
Zero-one law (67) 29
Zero-suppressed BDD (66) 195
Zero testing (61) 63
Zeta function (62) 145

ELSEVIER

Information Processing Letters 70 (1999) 291–304

Information Processing Letters

www.elsevier.com/locate/ipl

Master Index Volumes 61–70

(For the sake of simplicity and uniformity, all names beginning with articles or prepositions are listed as if written as single words.)

Aaron, E. and **D. Gries,** Formal justification of underspecification for S5 64 (1997) 115

Aarts, E.H.L., *see* **Verhaegh, W.F.J.** 62 (1997) 217

Abbasi, S. and **A. Sengupta,** An $O(n \log n)$ algorithm for finding dissimilar strings 62 (1997) 135

Abdel-Wahab, H., *see* **Baruah, S.K.** 64 (1997) 43

Aceto, L. and **A. Ingólfsdóttir,** A characterization of finitary bisimulation 64 (1997) 127

Afek, Y., M. Cohen and **E. Haalman,** The bit complexity of the predecessor problem 63 (1997) 109

Agarwal, P.K., *see* **Varadarajan, K.R.** 62 (1997) 89

Agrawal, D., Ö. Eğecioğlu and **A. El Abbadi,** Billiard quorums on the grid 64 (1997) 9

Ahmed, A., *see* **Ashir, Y.** 61 (1997) 43

Aichholzer, O., F. Aurenhammer and **R. Hainz,** New results on MWT subgraphs 69 (1999) 215

Ait-Bouziad, A. and **H. Kassel,** An improved algorithm for retrieving fuzzy information from two systems 65 (1998) 63

Alam, M.S., *see* **Khan, M.M.H.A.** 62 (1997) 223

Albers, S. and **M. Mitzenmacher,** Revisiting the COUNTER algorithms for list update 64 (1997) 155

Allison, L., *see* **Powell, D.R.** 70 (1999) 127

Alonso, L., J.L. Rémy and **R. Schott,** Uniform generation of a Schröder tree 64 (1997) 305

Alstrup, S., J.P. Secher and **M. Spork,** Optimal on-line decremental connectivity in trees 64 (1997) 161

Althaus, E. and **K. Mehlhorn,** Maximum network flow with floating point arithmetic 66 (1998) 109

Alur, R. and **D. Peled,** Undecidability of partial order logics 69 (1999) 137

Amir, A., A. Butman and **M. Lewenstein,** Real scaled matching 70 (1999) 185

Amir, A. and **E. Dar,** An improved deterministic algorithm for generating different many-element random samples 62 (1997) 95

Amir, A., G.M. Landau, M. Lewenstein and **N. Lewenstein,** Efficient special cases of Pattern Matching with Swaps 68 (1998) 125

Amir, Y. and **A. Wool,** Optimal availability quorum systems: Theory and practice 65 (1998) 223

Amoura, A.K., A note on scheduling multiprocessor tasks with precedence constraints on parallel processors 63 (1997) 119

Andersson, G. and **L. Engebretsen,** Better approximation algorithms for SET SPLITTING and NOT-ALL-EQUAL SAT 65 (1998) 305

Aneja, Y.P., *see* **Kabadi, S.N.** 64 (1997) 173

Anzai, K., *see* **Miyadera, Y.** 66 (1998) 187

Arikati, S.R. and **K. Mehlhorn,** A correctness certificate for the Stoer–Wagner min-cut algorithm 70 (1999) 251

Arnold, A., M. Kanta and **D. Krob,** Recognizable subsets of the two letter plastic monoid 64 (1997) 53

Arora, A., *see* **Kulkarni, S.S.** 64 (1997) 29

Arratia-Quesada, A.A. and **I.A. Stewart,** Generalized Hex and logical characterizations of polynomial space 63 (1997) 147

Arvind, A. and **C. Pandu Rangan,** Symmetric Min–Max heap: A simpler data structure for double-ended priority queue 69 (1999) 197

Arvind, V. and **J. Torán,** Sparse sets, approximable sets, and parallel queries to NP 69 (1999) 181

Arya, S. and **H. Ramesh,** A 2.5-factor approximation algorithm for the k-MST problem 65 (1998) 117

Ashir, Y., I.A. Stewart and **A. Ahmed,** Communication algorithms in k-ary n-cube interconnection networks 61 (1997) 43

Atkinson, M.D. and **J.-R. Sack,** Pop-stacks in parallel 70 (1999) 63

Audsley, N.C. and **A. Burns,** On fixed priority scheduling, offsets and co-prime task periods 67 (1998) 65

Aurenhammer, F., *see* **Aichholzer, O.** 69 (1999) 215

Avresky, D.R., *see* **Karpovsky, M.G.** 69 (1999) 99

Baader, F., On the complexity of Boolean unification 67 (1998) 215

Bach, E., The complexity of number-theoretic constants 62 (1997) 145

Backhouse, R., Pair algebras and Galois connections 67 (1998) 169

Baek, N. and **S.-Y. Shin,** On circularly-hidden surface removal 66 (1998) 119

Bagchi, A., Route selection with multiple metrics 64 (1997) 203

Baier, C. and **M. Kwiatkowska,** On the verification of qualitative properties of probabilistic processes under fairness constraints 66 (1998) 71

Balasubramanian, R., M.R. Fellows and **V. Raman,** An improved fixed-parameter algorithm for vertex cover 65 (1998) 163

Baldoni, R., *see* **Quaglia, F.** 70 (1999) 119

Banicescu, I., *see* **Luke, E.A.** 66 (1998) 223

Bao, F., A. Mei and **Y. Igarashi,** Average competitive ratios of on-line spanning trees 62 (1997) 213

Barbuti, R., N. De Francesco, A. Santone and **G. Vaglini,** Abstract interpretation of trace semantics for concurrent calculi 70 (1999) 69

Barden, B., R. Libeskind-Hadas, J. Davis and **W. Williams,** On edge-disjoint spanning trees in hypercubes 70 (1999) 13

Baruah, S.K., J.E. Gehrk, C.G. Plaxton, I. Stoica, H. Abdel-Wahab and **K. Jeffay,** Fair on-line scheduling of a dynamic set of tasks on a single resource 64 (1997) 43

Elsevier Science B.V.

Bax, E. and **J. Franklin,** A permanent formula with many zero-valued terms 63 (1997) 33
Belogay, E., C. Cabrelli, U. Molter and **R. Shonkwiler,** Calculating the Hausdorff distance between curves 64 (1997) 17
Berghammer, R., *see* **von Karger, B.** 62 (1997) 5
Bergstra, J.A. and **A. Ponse,** Kleene's three-valued logic and process algebra 67 (1998) 95
Bernasconi, A., On the complexity of balanced Boolean functions 70 (1999) 157
Bertino, E., B. Catania and **B. Shidlovsky,** Towards optimal two-dimesional indexing for constraint databases 64 (1997) 1
Bertino, E., B. Catania and **L. Wong,** Finitely representable nested relations 70 (1999) 165
Biedl, T.C., Relating bends and size in orthogonal graph drawings 65 (1998) 111
Biham, E., D. Boneh and **O. Reingold,** Breaking generalized Diffie–Hellman modulo a composite is no easier than factoring 70 (1999) 83
Bird, R.S. and **J.N. Ravelo,** On computing representatives 63 (1997) 1
Blass, A., Y. Gurevich, V. Kreinovich and **L. Longpré,** A variation on the zero-one law 67 (1998) 29
Blondel, V.D. and **J.N. Tsitsiklis,** When is a pair of matrices mortal? 63 (1997) 283
Blum, A. and **D. Karger,** An $\widetilde{O}(n^{3/14})$-coloring algorithm for 3-colorable graphs 61 (1997) 49
Blundo, C. and **A. De Santis,** Lower bounds for robust secret sharing schemes 63 (1997) 317
Blundo, C., A. De Santis and **U. Vaccaro,** On secret sharing schemes 65 (1998) 25
Bodlaender, H.L., *see* **Thilikos, D.M.** 61 (1997) 227
Bodlaender, H.L., D.M. Thilikos and **K. Yamazaki,** It is hard to know when greedy is good for finding independent sets 61 (1997) 101
Boldi, P. and **S. Vigna,** Minimal sense of direction and decision problems for Cayley graphs 64 (1997) 299
Bollig, B. and **I. Wegener,** A very simple function that requires exponential size read-once branching programs 66 (1998) 53
Bonabeau, E. and **F. Hénaux,** Self-organizing maps for drawing large graphs 67 (1998) 177
Boneh, D., *see* **Biham, E.** 70 (1999) 83
Boppana, R.B., The average sensitivity of bounded-depth circuits 63 (1997) 257
Borchert, B. and **R. Silvestri,** A characterization of the leaf language classes 63 (1997) 153
Bordihn, H. and **M. Holzer,** On a hierarchy of languages generated by cooperating distributed grammar systems 69 (1999) 59
Boroujerdi, A. and **J. Uhlmann,** An efficient algorithm for computing least cost paths with turn constraints 67 (1998) 317
Bose, P., J.F. Buss and **A. Lubiw,** Pattern matching for permutations 65 (1998) 277
Bottoni, P., *see* **Di Zenzo, S.** 64 (1997) 207
Bottoni, P., S. Levialdi and **G. Păun,** Successful visual human-computer interaction is undecidable 67 (1998) 13
Bottreau, A. and **Y. Métivier,** Some remarks on the Kronecker product of graphs 68 (1998) 55
Bouquet, F. and **P. Jégou,** Using OBDDs to handle dynamic constraints 62 (1997) 111
Bozanis, P., N. Kitsios, C. Makris and **A. Tsakalidis,** The space-optimal version of a known rectangle enclosure reporting algorithm 61 (1997) 37
Brauer, W., *see* **Schittenkopf, C.** 63 (1997) 137
Breslauer, D., A. Czumaj, D.P. Dubhashi and **F. Meyer auf der Heide,** Transforming comparison model lower bounds to the parallel-random-access-machine 62 (1997) 103
Bshouty, N.H., On learning multivariate polynomials under the uniform distribution 61 (1997) 303
Bshouty, N.H., L. Higham and **J. Warpechowska-Gruca,** Meeting times of random walks on graphs 69 (1999) 259
Bshouty, N.H., Y. Mansour, B. Schieber and **P. Tiwari,** A tight bound for approximating the square root 63 (1997) 211
Bshouty, N.H., C. Tamon and **D.K. Wilson,** On learning width two branching programs 65 (1998) 217
Buhrman, H. and **R. de Wolf,** A lower bound for quantum search of an ordered list 70 (1999) 205
Bultena, B. and **F. Ruskey,** An Eades–McKay algorithm for well-formed parentheses strings 68 (1998) 255
Burkard, R.E. and **V.G. Deĭneko,** On the traveling salesman problem with a relaxed Monge matrix 67 (1998) 231
Burns, A., *see* **Audsley, N.C.** 67 (1998) 65
Busch, C. and **M. Mavronicolas,** Impossibility results for weak threshold networks 63 (1997) 85
Buss, J.F., *see* **Bose, P.** 65 (1998) 277
Butman, A., *see* **Amir, A.** 70 (1999) 185

Cabrelli, C., *see* **Belogay, E.** 64 (1997) 17
Cabrelli, C.A. and **U.M. Molter,** A linear time algorithm for a matching problem on the circle 66 (1998) 161
Cai, J.-Y., A classification of the probabilistic polynomial time hierarchy under fault tolerant access to oracle classes 69 (1999) 167
Cai, L., Y. Xu and **B. Zhu,** Computing the optimal bridge between two convex polygons 69 (1999) 127
Calamoneri, T. and **R. Petreschi,** A new 3D representation of trivalent Cayley networks 61 (1997) 247
Calamoneri, T. and **A. Sterbini,** 3D straight-line grid drawing of 4-colorable graphs 63 (1997) 97
Calera-Rubio, J. and **R.C. Carrasco,** Computing the relative entropy between regular tree languages 68 (1998) 283
Camp, T., *see* **Terekhov, I.** 69 (1999) 149
Campbell, D.K.G., On the CLUMPS model of parallel computation 66 (1998) 231
Caprara, A. and **R. Rizzi,** Improving a family of approximation algorithms to edge color multigraphs 68 (1998) 11
Carrasco, R.C., *see* **Calera-Rubio, J.** 68 (1998) 283
Castro, J., D. Guijarro and **V. Lavín,** Learning nearly monotone k-term DNF 67 (1998) 75
Catania, B., *see* **Bertino, E.** 64 (1997) 1
Catania, B., *see* **Bertino, E.** 70 (1999) 165
Cayssials, R., *see* **Orozco, J.** 62 (1997) 47
Cerioli, M.R., H. Everett, C.M.H. de Figueiredo and **S. Klein,** The homogeneous set sandwich problem 67 (1998) 31
Cesati, M. and **L. Trevisan,** On the efficiency of polynomial time approximation schemes 64 (1997) 165
Cha, G.-H., *see* **Lee, J.-H.** 69 (1999) 69
Chakrabarty, K., *see* **Iyengar, V.** 64 (1997) 271
Chakrabarty, K., *see* **Karpovsky, M.G.** 69 (1999) 99
Chalamaiah, N. and **B. Ramamurthy,** Finding shortest paths in distributed loop networks 67 (1998) 157
Chan, T.M., Backwards analysis of the Karger–Klein–Tarjan algorithm for minimum spanning trees 67 (1998) 303
Chang, C.-C., *see* **Lee, W.-B.** 63 (1997) 247

Chang, C.-C. and **S.-J. Hwang,** A simple approach for generating RSA keys 63 (1997) 19
Chang, H.-Y. and **R.-J. Chen,** Embedding cycles in IEH graphs 64 (1997) 23
Chang, J.-M., *see* **Ho, C.-W.** 69 (1999) 87
Chang, J.-M. and **C.-W. Ho,** The recognition of geodetically connected graphs 65 (1998) 81
Chang, K., Y.H. Tan, Y. Varol and **J.-H. Chu,** A study on interleaving versus segmentation 65 (1998) 319
Chang, M.-S., P. Nagavamsi and **C. Pandu Rangan,** Weighted irredundance of interval graphs 66 (1998) 65
Chang, R.-S., *see* **Wei, L.-C.** 63 (1997) 271
Chang, R.-S. and **S.-J. Leu,** The minimum labeling spanning trees 63 (1997) 277
Chang, Y.-I. and **B.Y. Yang,** Efficient access methods for image databases 64 (1997) 95
Chang, Y.-W. and **C.-B. Yang,** A parallel algorithm for circulant tridiagonal linear systems 65 (1998) 331
Chao, H.S., F.R. Hsu and **R.C.T. Lee,** An optimal EREW parallel algorithm for computing breadth-first search trees on permutation graphs 61 (1997) 311
Chao, K.-M., *see* **Wu, B.Y.** 69 (1999) 63
Chao, K.M., *see* **Wu, Q.S.** 65 (1998) 119
Charatonik, W., An undecidable fragment of the theory of set constraints 68 (1998) 147
Chaudhuri, S., N. Garg and **R. Ravi,** The p-neighbor k-center problem 65 (1998) 131
Chauhan, S.R. and **I.A. Stewart,** On the power of built-in relations in certain classes of program schemes 69 (1999) 77
Chee, S., *see* **Son, J.J.** 65 (1998) 139
Chee, S., *see* **Sung, S.H.** 69 (1999) 21
Chen, D.-J., *see* **Lin, M.-S.** 64 (1997) 143
Chen, D.Z. and **O. Daescu,** Maintaining visibility of a polygon with a moving point of view 65 (1998) 269
Chen, H.-C. and **Y.-L. Wang,** A linear time algorithm for finding depth-first spanning trees on trapezoid graphs 63 (1997) 13
Chen, H.-C., Y.-L. Wang and **Y.-F. Lan,** A memory-efficient and fast Huffman decoding algorithm 69 (1999) 119
Chen, J., S.P. Kanchi and **A. Kanevsky,** A note on approximating graph genus 61 (1997) 317
Chen, J.-L. and **F.-J. Wang,** An inheritance flow model for class hierarchy analysis 66 (1998) 309
Chen, L.-B. and **I.-C. Wu,** On the time complexity of minimum and maximum global snapshot problems 67 (1998) 151
Chen, R.-J., *see* **Chang, H.-Y.** 64 (1997) 23
Chen, R.-J., *see* **Chiang, W.-K.** 66 (1998) 215
Chen, W.-h., Test sequence generation from the protocol data portion based on the Selecting Chinese Postman algorithm 65 (1998) 261
Chen, Y., Arc consistency revisited 70 (1999) 175
Cheng, T.C.E., *see* **Liu, Z.** 69 (1999) 275
Cheng, T.C.E. and **Q. Ding,** The complexity of scheduling starting time dependent tasks with release times 65 (1998) 75
Cheng, Y.C., E.H. Lu and **S.W. Wu,** A modified version of the Rao–Nam algebraic-code encryption scheme 68 (1998) 215
Cheriyan, J. and **K. Mehlhorn,** An analysis of the highest-level selection rule in the preflow-push max-flow algorithm 69 (1999) 239
Chiang, W.-K. and **R.-J. Chen,** On the arrangement graph 66 (1998) 215
Chin, F., *see* **Poon, C.K.** 65 (1998) 201
Chin, F.Y., *see* **Wang, C.A.** 70 (1999) 17
Chin, Y.H., *see* **Yan, K.Q.** 69 (1999) 243
Chiu, G.-M., A fault-tolerant broadcasting algorithm for hypercubes 66 (1998) 93
Chmeiss, A. and **P. Jégou,** A generalization of chordal graphs and the maximum clique problem 62 (1997) 61
Cho, Y., *see* **Park, K.** 63 (1997) 183
Choi, K., G. Jung, T. Kim and **S. Jung,** Real-time scheduling algorithm for minimizing maximum weighted error with $O(N \log N + cN)$ complexity 67 (1998) 311
Choi, Y. and **T.W. Lam,** Dynamic suffix tree and two-dimensional texts management 61 (1997) 213
Chou, C., D.J. Guan and **K. Wang,** A dynamic fault-tolerant message routing algorithm for double-loop networks 70 (1999) 259
Chowdhury, R.A., *see* **Nath, S.K.** 70 (1999) 241
Chrobak, M. and **C. Dürr,** Reconstructing hv-convex polyominoes from orthogonal projections 69 (1999) 283
Chrobak, M., L.L. Larmore, C. Lund and **N. Reingold,** A better lower bound on the competitive ratio of the randomized 2-server problem 63 (1997) 79
Chu, F., Reducing Ω to $\Diamond\mathcal{W}$ 67 (1998) 289
Chu, J.-H., *see* **Chang, K.** 65 (1998) 319
Chuang, Y.-C., *see* **Sung, T.-Y.** 66 (1998) 201
Chung, C.-W., *see* **Lee, J.-H.** 69 (1999) 69
Chung, I., *see* **Kim, S.** 66 (1998) 141
Chung, K.-L., Efficient Huffman decoding 61 (1997) 97
Chung, K.-L., A fast algorithm for stereo matching 63 (1997) 57
Chung, K.-L., *see* **Yan, W.-M.** 68 (1998) 295
Chwa, K.-Y., *see* **Lee, J.-H.** 69 (1999) 39
Chwa, K.-Y., *see* **Shin, C.-S.** 66 (1998) 133
Chwa, K.-Y., *see* **Shin, C.-S.** 68 (1998) 25
Cintioli, P. and **R. Silvestri,** Revisiting a result of Ko 61 (1997) 189
Coffman Jr, E.G., L. Flatto, E.N. Gilbert and **A.G. Greenberg,** An approximate model of processor communication rings under heavy load 64 (1997) 61
Cohen, M., *see* **Afek, Y.** 63 (1997) 109
Collins, M.J. and **B.M.E. Moret,** Improved lower bounds for the link length of rectilinear spanning paths in grids 68 (1998) 317
Complak, W., *see* **Nawrocki, J.R.** 65 (1998) 173
Coupry, L., A simple linear algorithm for the edge-disjoint (s, t)-paths problem in undirected planar graphs 64 (1997) 83
Crégut, P. and **B. Heyd,** Progress properties for empty UNITY programs 69 (1999) 107
Creignou, N., Complexity versus stability for classes of propositional formulas 68 (1998) 161
Crochemore, M. and **T. Lecroq,** Tight bounds on the complexity of the Apostolico–Giancarlo algorithm 63 (1997) 195
Crochemore, M., F. Mignosi and **A. Restivo,** Automata and forbidden words 67 (1998) 111
Crvenković, S., I. Dolinka and **Z. Ésik,** A note on equations for commutative regular languages 70 (1999) 265
Csirik, J. and **G.J. Woeginger,** Shelf algorithms for on-line strip packing 63 (1997) 171
Cucker, F., P. Koiran and **M. Matamala,** Complexity and dimension 62 (1997) 209
Czajka, A., *see* **Nawrocki, J.R.** 65 (1998) 173
Czumaj, A., *see* **Breslauer, D.** 62 (1997) 103
Czyzowicz, J., E. Kranakis and **J. Urrutia,** A simple proof of the representation of bipartite planar graphs as the contact graphs of orthogonal straight line segments 66 (1998) 125

Daescu, O., *see* **Chen, D.Z.** 65 (1998) 269
Dahlhaus, E., P.D. Manuel and **M. Miller,** Maximum h-colourable subgraph problem in balanced graphs 65 (1998) 301
Dai, Y., K. Iwano and **N. Katoh,** A new probabilistic analysis of Karger's randomized algorithm for minimum cut problems 64 (1997) 255
Damaschke, P., Randomized group testing for mutually obscuring defectives 67 (1998) 131
Damm, C., Depth-efficient simulation of Boolean semi-unbounded circuits by arithmetic ones 69 (1999) 175
Dannoura, E. and **K. Sakurai,** An improvement on El-Yaniv–Fiat–Karp–Turpin's money-making bi-directional trading strategy 66 (1998) 27
Dar, E., *see* **Amir, A.** 62 (1997) 95
Dasgupta, P., Agreement under faulty interfaces 65 (1998) 125
Davis, J., *see* **Barden, B.** 70 (1999) 13
Dawson, E., *see* **Golić, J.Dj.** 64 (1997) 37
Dawson, E., *see* **Simpson, L.** 70 (1999) 89
Deĭneko, V.G., *see* **Burkard, R.E.** 67 (1998) 231
de Berg, M., O. Devillers, K. Dobrindt and **O. Schwarzkopf,** Computing a single cell in the overlay of two simple polygons 63 (1997) 215
De Bonis, A. and **U. Vaccaro,** Improved algorithms for group testing with inhibitors 67 (1998) 57
Deco, G., *see* **Schittenkopf, C.** 63 (1997) 137
de Figueiredo, C.M.H., *see* **Cerioli, M.R.** 67 (1998) 31
de Figueiredo, C.M.H., J. Meidanis and **C.P. de Mello,** Total-chromatic number and chromatic index of dually chordal graphs 70 (1999) 147
De Francesco, N., *see* **Barbuti, R.** 70 (1999) 69
Dehne, F. and **K. Guimarães,** Exact and approximate computational geometry solutions of an unrestricted point set stereo matching problem 64 (1997) 107
Dell'Olmo, P., S. Giordani and **M.G. Speranza,** An approximation result for a duoprocessor task scheduling problem 61 (1997) 195
Dell'Olmo, P., H. Kellerer, M.G. Speranza and **Z. Tuza,** A 13/12 approximation algorithm for bin packing with extendable bins 65 (1998) 229
Dell'Olmo, P., *see* **Dror, M.** 61 (1997) 297
Del Lungo, A., M. Nivat, R. Pinzani and **L. Sorri,** The medians of discrete sets 65 (1998) 293
De Marco, G. and **U. Vaccaro,** Broadcasting in hypercubes and star graphs with dynamic faults 66 (1998) 321
de Mello, C.P., *see* **de Figueiredo, C.M.H.** 70 (1999) 147
Denis, F., Finding a minimal 1-DNF consistent with a positive sample is LOGSNP-complete 69 (1999) 1
Deogun, J.S. and **K. Gopalakrishnan,** Consecutive retrieval property—revisited 69 (1999) 15
Deogun, J.S., D. Kratsch and **G. Steiner,** An approximation algorithm for clustering graphs with dominating diametral path 61 (1997) 121
De Roure, D., *see* **Salhi, A.** 66 (1998) 299
Dervos, D., Y. Manolopoulos and **P. Linardis,** Comparison of signature file models with superimposed coding 65 (1998) 101
De Santis, A., G. Di Crescenzo, O. Goldreich and **G. Persiano,** The graph clustering problem has a perfect zero-knowledge interactive proof 69 (1999) 201
De Santis, A., *see* **Blundo, C.** 63 (1997) 317
De Santis, A., *see* **Blundo, C.** 65 (1998) 25
Dessmark, A., O. Garrido and **A. Lingas,** A note on parallel complexity of maximum f-matching 65 (1998) 107
Devillers, O., *see* **de Berg, M.** 63 (1997) 215
Devroye, L., On the richness of the collection of subtrees in random binary search trees 65 (1998) 195
de Wolf, R., *see* **Buhrman, H.** 70 (1999) 205
Di Crescenzo, G., *see* **De Santis, A.** 69 (1999) 201
Diks, K., S. Dobrev, E. Kranakis, A. Pelc and **P. Ružička,** Broadcasting in unlabeled hypercubes with a linear number of messages 66 (1998) 181
Dimitrov, V.S., G.A. Jullien and **W.C. Miller,** An algorithm for modular exponentiation 66 (1998) 155
Ding, C. and **T. Helleseth,** On cyclotomic generator of order r 66 (1998) 21
Ding, Q., *see* **Cheng, T.C.E.** 65 (1998) 75
Dinitz, Y., A. Itai and **M. Rodeh,** On an algorithm of Zemlyachenko for subtree isomorphism 70 (1999) 141
Dix, T.I., *see* **Powell, D.R.** 70 (1999) 127
Di Zenzo, S., P. Bottoni and **P. Mussio,** A notion of information related to computation 64 (1997) 207
Dobrev, S., *see* **Diks, K.** 66 (1998) 181
Dobrindt, K., *see* **de Berg, M.** 63 (1997) 215
Dolinka, I., *see* **Crvenković, S.** 70 (1999) 265
Domingo, C., T. Tsukiji and **O. Watanabe,** Partial Occam's Razor and its applications 64 (1997) 179
Dong, G. and **C. Pang,** Maintaining transitive closure in first order after node-set and edge-set deletions 62 (1997) 193
Döring, A. and **W.J. Paul,** Decimal adjustment of long numbers in constant time 62 (1997) 161
Dror, M., W. Kubiak and **P. Dell'Olmo,** Scheduling chains to minimize mean flow time 61 (1997) 297
Dubhashi, D.P., *see* **Breslauer, D.** 62 (1997) 103
Dunne, P.E. and **M. Zito,** An improved upper bound on the non-3-colourability threshold 65 (1998) 17
Dürr, C., *see* **Chrobak, M.** 69 (1999) 283

Ebert, J. and **G. Vossen,** I-serializability: Generalized correctness for transaction-based environments 63 (1997) 221
Edalat, A., D. Sharp and **L. While,** Bounding the attractor of an IFS 64 (1997) 197
Efrat, A. and **O. Schwarzkopf,** Separating and shattering long line segments 64 (1997) 309
Eğecioğlu, Ö., *see* **Agrawal, D.** 64 (1997) 9
El Abbadi, A., *see* **Agrawal, D.** 64 (1997) 9
Embley, D.W., *see* **Mok, W.Y.** 64 (1997) 135
Emerald, J.D., K.G. Subramanian and **D.G. Thomas,** A note on inferring uniquely terminating code languages 70 (1999) 217
Encarnación, M.J., Black-box polynomial resultants 61 (1997) 201
Engebretsen, L., *see* **Andersson, G.** 65 (1998) 305
Eppstein, D., Dynamic connectivity in digital images 62 (1997) 121
Ésik, Z., *see* **Crvenković, S.** 70 (1999) 265
Everett, H., *see* **Cerioli, M.R.** 67 (1998) 31

Farach, M. and **S. Muthukrishnan,** Optimal parallel randomized renaming 61 (1997) 7
Feder, T. and **S.M. Shende,** Online channel allocation in FDMA networks with reuse constraints 67 (1998) 295
Feijs, L.M.G. and **R.C. van Ommering,** Abstract derivation of transitive closure algorithms 63 (1997) 159
Fekete, S.P. and **W.R. Pulleyblank,** Traveling the boundary of Minkowski sums 66 (1998) 171
Fellows, M.R., *see* **Balasubramanian, R.** 65 (1998) 163

Fernandez de la Vega, W. and **M. Karpinski,** On the approximation hardness of dense TSP and other path problems 70 (1999) 53
Ferro, E., *see* **Orozco, J.** 62 (1997) 47
Feuerstein, E., S. Leonardi, A. Marchetti-Spaccamela and **N. Santoro,** Efficient token-based control in rings 66 (1998) 175
Fidge, C.J., A limitation of vector timestamps for reconstructing distributed computations 68 (1998) 87
Flatto, L., *see* **Coffman Jr, E.G.** 64 (1997) 61
Flocchini, P., Minimal sense of direction in regular networks 61 (1997) 331
Flocchini, P., B. Mans and **N. Santoro,** On the impact of sense of direction on message complexity 63 (1997) 23
Flouret, M. and **E. Laugerotte,** Noncommutative minimization algorithms 64 (1997) 123
Fokkink, W., Unification for infinite sets of equations between finite terms 62 (1997) 183
Formica, A. and **M. Missikoff,** A verification algorithm for inheritance hierarchies in object-oriented databases 62 (1997) 269
Fortnow, L., Relativized worlds with an infinite hierarchy 69 (1999) 309
Fouquet, J.L., I. Parfenoff and **H. Thuillier,** An O(n) time algorithm for maximum matching in P_4-tidy graphs 62 (1997) 281
Fraczak, W. and **M.B. Zaremba,** A non-SOS operational semantics for a process algebra 68 (1998) 47
Fraigniaud, P., Hierarchical broadcast networks 68 (1998) 303
Franciosa, P.G., G. Gambosi and **U. Nanni,** The incremental maintenance of a Depth-First-Search tree in directed acyclic graphs 61 (1997) 113
Frandsen, G.S. and **S. Skyum,** Dynamic maintenance of majority information in constant time per update 63 (1997) 75
Frank, J., I.P. Gent and **T. Walsh,** Asymptotic and finite size parameters for phase transitions: Hamiltonian circuit as a case study 65 (1998) 241
Franklin, J., *see* **Bax, E.** 63 (1997) 33
Franzblau, D.S., Ear decomposition with bounds on ear length 70 (1999) 245
Friš, I., I. Havel and **P. Liebl,** The diameter of the cube-connected cycles 61 (1997) 157
Fujita, S., A quorum based k-mutual exclusion by weighted k-quorum systems 67 (1998) 191
Fúster-Sabater, A., *see* **García-Villalba, L.J.** 69 (1999) 227

Gabarró, J. and **X. Messeguer,** Parallel dictionaries with local rules on AVL and brother trees 68 (1998) 79
Gaines, J.G., Partitions with minimum entropy of regions in $\mathbb{R}^2$ 63 (1997) 69
Gál, A., A simple function that requires exponential size read-once branching programs 62 (1997) 13
Gambosi, G., *see* **Franciosa, P.G.** 61 (1997) 113
García, A., P. Jodrá and **J. Tejel,** An efficient algorithm for on-line searching of minima in Monge path-decomposable tridimensional arrays 68 (1998) 3
García-Villalba, L.J. and **A. Fúster-Sabater,** On the general classification of nonlinear filters of m-sequences 69 (1999) 227
Garg, N., *see* **Chaudhuri, S.** 65 (1998) 131
Garg, V.K. and **J.R. Mitchell,** Detecting conjunctions of global predicates 63 (1997) 295
Garrido, O., *see* **Dessmark, A.** 65 (1998) 107
Gärtner, B. and **S. Schönherr,** Exact primitives for smallest enclosing ellipses 68 (1998) 33
Gavril, F. and **O. Shmueli,** Intersection graphs of k-acyclic families of subtrees and relational database query processing 66 (1998) 1
Gehrk, J.E., *see* **Baruah, S.K.** 64 (1997) 43
Geist, R., Performance bounds for modeling NUMA architectures 63 (1997) 113
Gens, G. and **E. Levner,** An approximate binary search algorithm for the multiple-choice knapsack problem 67 (1998) 261
Gent, I.P., *see* **Frank, J.** 65 (1998) 241
Gergatsoulis, M., Unfold/fold transformations for disjunctive logic programs 62 (1997) 23
Gilbert, E.N., *see* **Coffman Jr, E.G.** 64 (1997) 61
Gilbert, H., D. Gupta, A. Odlyzko and **J.-J. Quisquater,** Attacks on Shamir's 'RSA for paranoids' 68 (1998) 197
Giordani, S., *see* **Dell'Olmo, P.** 61 (1997) 195
Glaser, H., *see* **Salhi, A.** 66 (1998) 299
Glück, R. and **A. Klimov,** A regeneration scheme for generating extensions 62 (1997) 127
Göbel, M., A rewriting technique for universal polynomial invariants 69 (1999) 271
Goldmann, M., On the power of a threshold gate at the top 63 (1997) 287
Goldreich, O., *see* **De Santis, A.** 69 (1999) 201
Goldreich, O. and **J. Håstad,** On the complexity of interactive proofs with bounded communication 67 (1998) 205
Goldreich, O. and **D. Ron,** On universal learning algorithms 63 (1997) 131
Golić, J., *see* **Simpson, L.** 70 (1999) 89
Golić, J.Dj., Stream cipher encryption of random access files 69 (1999) 145
Golić, J.Dj., M. Salmasizadeh, L. Simpson and **E. Dawson,** Fast correlation attacks on nonlinear filter generators 64 (1997) 37
Gonzalez, T.F., Improved approximation algorithms for embedding hyperedges in a cycle 67 (1998) 267
Gopalakrishnan, K., *see* **Deogun, J.S.** 69 (1999) 15
Gordon, V. and **W. Kubiak,** Single machine scheduling with release and due date assignment to minimize the weighted number of late jobs 68 (1998) 153
Govindan, R., M.A. Langston and **X. Yan,** Approximating the path-width of outerplanar graphs 68 (1998) 17
Grabner, P.J. and **H. Prodinger,** An asymptotic study of a recursion occurring in the analysis of an algorithm on broadcast communication 65 (1998) 89
Graf, T. and **V. Kamakoti,** Sparse dominance queries for many points in optimal time and space 64 (1997) 287
Gray III, J.W., On the Clark–Jacob version of SPLICE/AS 62 (1997) 251
Greco, G., Embeddings and the trace of finite sets 67 (1998) 199
Greenberg, A.G., *see* **Coffman Jr, E.G.** 64 (1997) 61
Gries, D., *see* **Aaron, E.** 64 (1997) 115
Gries, D., *see* **Reingold, E.M.** 64 (1997) 217
Grolmusz, V., A lower bound for depth-3 circuits with MOD m gates 67 (1998) 87
Gu, Q.-P. and **S. Peng,** Node-to-set disjoint paths problem in star graphs 62 (1997) 201
Gu, Q.-P. and **S. Peng,** An efficient algorithm for k-pairwise disjoint paths in star graphs 67 (1998) 283
Guaiana, G., R. Meyer, A. Petit and **P. Weil,** An extension of the wreath product principle for finite Mazurkiewicz traces 67 (1998) 277
Guan, D.J., *see* **Chou, C.** 70 (1999) 259

Guan, D.J., An optimal message routing algorithm for double-loop networks 65 (1998) 255
Guan, D.J. and **X. Zhu,** A coloring problem for weighted graphs 61 (1997) 77
Guijarro, D., *see* **Castro, J.** 67 (1998) 75
Guijarro, D., V. Lavín and **V. Raghavan,** Exact learning when irrelevant variables abound 70 (1999) 233
Guimarães, K., *see* **Dehne, F.** 64 (1997) 107
Gupta, D., *see* **Gilbert, H.** 68 (1998) 197
Gupta, G., *see* **Ranjan, D.** 68 (1998) 71
Gupta, P., R. Janardan and **M. Smid,** A technique for adding range restrictions to generalized searching problems 64 (1997) 263
Gupta, P., R. Janardan and **M. Smid,** Efficient algorithms for counting and reporting pairwise intersections between convex polygons 69 (1999) 7
Gurevich, Y., *see* **Blass, A.** 67 (1998) 29
Guruswami, V. and **C. Pandu Rangan,** A natural family of optimization problems with arbitrarily small approximation thresholds 68 (1998) 241

Ha, J.-C. and **S.-J. Moon,** A common-multiplicand method to the Montgomery algorithm for speeding up exponentiation 66 (1998) 105
Ha, S., *see* **Kim, J.-S.** 66 (1998) 247
Haalman, E., *see* **Afek, Y.** 63 (1997) 109
Hachem, N., *see* **Taylor, S.** 61 (1997) 55
Hainz, R., *see* **Aichholzer, O.** 69 (1999) 215
Hakimi, S.L., E.F. Schmeichel and **N.E. Young,** Orienting graphs to optimize reachability 63 (1997) 229
Halava, V., T. Harju and **L. Ilie,** On a geometric problem of zigzags 62 (1997) 1
Hambrusch, S.E., Preface to the Special Issue on Parallel Models 66 (1998) 221
Hanus, M., S. Lucas and **A. Middeldorp,** Strongly sequential and inductively sequential term rewriting systems 67 (1998) 1
Harary, F. and **D. Ranjan,** Breaking symmetry in complete graphs by orienting edges: asymptotic bounds 67 (1998) 227
Harbane, R. and **C. Padró,** Spanners of de Bruijn and Kautz graphs 62 (1997) 231
Harbane, R. and **C. Padró,** Spanners of underlying graphs of iterated line digraphs 62 (1997) 237
Harju, T., *see* **Halava, V.** 62 (1997) 1
Harms, J.J., A simple optimal algorithm for scheduling variable-sized requests 68 (1998) 291
Harper, R. and **J.C. Mitchell,** Parametricity and variants of Girard's *J* operator 70 (1999) 1
Hassin, R. and **S. Rubinstein,** An approximation algorithm for maximum packing of 3-edge paths 63 (1997) 63
Hassin, R. and **S. Rubinstein,** An approximation algorithm for the maximum traveling salesman problem 67 (1998) 125
Håstad, J., *see* **Goldreich, O.** 67 (1998) 205
Hasunuma, T. and **Y. Shibata,** Containment of butterflies in networks constructed by the line digraph operation 61 (1997) 25
Havel, I., *see* **Friš, I.** 61 (1997) 157
Helleseth, T., *see* **Ding, C.** 66 (1998) 21
Hemaspaandra, E. and **J. Rothe,** Recognizing when greed can approximate maximum independent sets is complete for parallel access to NP 65 (1998) 151
Hénaux, F., *see* **Bonabeau, E.** 67 (1998) 177
Henk, M., Note on shortest and nearest lattice vectors 61 (1997) 183
Hermo, M., Compressibility and uniform complexity 62 (1997) 259
Herrmann, P., Timed automata and recognizability 65 (1998) 313
Hesselink, W.H., Invariants for the construction of a handshake register 68 (1998) 173
Heyd, B., *see* **Crégut, P.** 69 (1999) 107
Higham, L., *see* **Bshouty, N.H.** 69 (1999) 259
Hirata, K., *see* **Shimozono, S.** 66 (1998) 165
Hirata, K., Constructing simply recursive programs from a finite set of good examples 64 (1997) 225
Hirose, S. and **K. Ikeda,** A conference key distribution system for the star configuration based on the discrete logarithm problem 62 (1997) 189
Ho, C.-W., *see* **Chang, J.-M.** 65 (1998) 81
Ho, C.-W. and **J.-M. Chang,** Solving the all-pairs-shortest-length problem on chordal bipartite graphs 69 (1999) 87
Ho, J.-M. and **M.-T. Ko,** Bounded fan-out m-center problem 63 (1997) 103
Holzer, M., *see* **Bordihn, H.** 69 (1999) 59
Hong, S.H. and **M.H. Kim,** Resolving data conflicts with multiple versions and precedence relationships in real-time databases 61 (1997) 149
Horng, G., An active attack on protocols for server-aided RSA signature computation 65 (1998) 71
Hower, W., Revisiting global constraint satisfaction 66 (1998) 41
Hower, W., Erratum to "Revisiting global constraint satisfaction", Information Processing Letters 66 (1998) 41–48 67 (1998) 55
Hsieh, T.-M., Y.-S. Yeh, Y.-C. Hsieh and **C.-C. Wang,** A homophonic DES 66 (1998) 317
Hsieh, Y.-C., *see* **Hsieh, T.-M.** 66 (1998) 317
Hsu, F.R., *see* **Chao, H.S.** 61 (1997) 311
Hsu, L.-H., *see* **Sung, T.-Y.** 66 (1998) 201
Hsu, L.-H., *see* **Wang, J.-J.** 65 (1998) 157
Hsu, L.-H., *see* **Wang, S.-Y.** 61 (1997) 173
Hu, C.-M., *see* **Tzeng, W.-G.** 69 (1999) 297
Hu, T.C. and **P.A. Tucker,** Optimal alphabetic trees for binary search 67 (1998) 137
Huang, K.-C., F.-J. Wang and **J.-H. Tsai,** Two design patterns for data-parallel computation based on master-slave model 70 (1999) 197
Huang, S.-H.S., H. Liu and **R.M. Verma,** On embedding rectangular meshes into rectangular meshes of smaller aspect ratio 63 (1997) 123
Huang, S.-T. and **T.-J. Liu,** Four-state stabilizing phase clock for unidirectional rings of odd size 65 (1998) 325
Hung, C.-N., *see* **Wang, J.-J.** 65 (1998) 157
Hwang, S.-J., *see* **Chang, C.-C.** 63 (1997) 19
Hwang, T., *see* **Lee, N.-Y.** 70 (1999) 79
Hwang, T., *see* **Wang, C.-H.** 69 (1999) 95
Hwang, T. and **C.-H. Wang,** Arbitrated unconditionally secure authentication scheme with multi-senders 65 (1998) 189
Hwang, W.-P. and **C.-L. Wang,** In-place random list permutations 70 (1999) 255

Ibaraki, T., *see* **Nagamochi, H.** 67 (1998) 239
Ibarra, L., Finding pattern matchings for permutations 61 (1997) 293
Igarashi, Y., *see* **Bao, F.** 62 (1997) 213
Igarashi, Y., *see* **Iwasaki, Y.** 69 (1999) 155
Ikeda, K., *see* **Hirose, S.** 62 (1997) 189
Ilie, L., *see* **Halava, V.** 62 (1997) 1
Imai, H., *see* **Zheng, Y.** 68 (1998) 227

Imrich, W. and **S. Klavžar,** Recognizing Hamming graphs in linear time and space 63 (1997) 91
Ingólfsdóttir, A., *see* **Aceto, L.** 64 (1997) 127
Ishizaka, H., *see* **Sugimoto, N.** 69 (1999) 161
Isozaki, H., *see* **Okuno, H.G.** 66 (1998) 195
Israeli, A. and **A. Shirazi,** The time complexity of updating snapshot memories 65 (1998) 33
Istrate, G., The strong equivalence of ET0L grammars 62 (1997) 171
Itai, A., *see* **Dinitz, Y.** 70 (1999) 141
Ito, H. and **M. Yokoyama,** Linear time algorithms for graph search and connectivity determination on complement graphs 66 (1998) 209
Ivković, Z. and **E.L. Lloyd,** Partially dynamic bin packing can be solved within $1+\varepsilon$ in (amortized) polylogarithmic time 63 (1997) 45
Iwama, K., C. Iwamoto and **T. Ohsawa,** A faster parallel algorithm for k-connectivity 61 (1997) 265
Iwamoto, C., *see* **Iwama, K.** 61 (1997) 265
Iwano, K., *see* **Dai, Y.** 64 (1997) 255
Iwasaki, Y., Y. Kajiwara, K. Obokata and **Y. Igarashi,** Independent spanning trees of chordal rings 69 (1999) 155
Iwata, A., *see* **Torres, M.A.** 69 (1999) 253
Iyengar, S.S., *see* **Vedantham, S.** 65 (1998) 179
Iyengar, V. and **K. Chakrabarty,** An efficient finite-state machine implementation of Huffman decoders 64 (1997) 271

Jagadish, H.V., Analysis of the Hilbert curve for representing two-dimensional space 62 (1997) 17
Jain, S., On a question of nearly minimal identification of functions 70 (1999) 113
Janardan, R., *see* **Gupta, P.** 64 (1997) 263
Janardan, R., *see* **Gupta, P.** 69 (1999) 7
Jeffay, K., *see* **Baruah, S.K.** 64 (1997) 43
Jégou, P., *see* **Bouquet, F.** 62 (1997) 111
Jégou, P., *see* **Chmeiss, A.** 62 (1997) 61
Jhon, C.S., *see* **Kim, J.-S.** 66 (1998) 247
Jodrá, P., *see* **García, A.** 68 (1998) 3
Johannsen, J., Lower bounds for monotone real circuit depth and formula size and tree-like Cutting Planes 67 (1998) 37
Johansson, Ö., Simple distributed $\Delta+1$-coloring of graphs 70 (1999) 229
Jonsson, P., A nonapproximability result for finite function generation 63 (1997) 143
Jonsson, P., Near-optimal nonapproximability results for some NPO PB-complete problems 68 (1998) 249
Jukna, S., Linear codes are hard for oblivious read-once parity branching programs 69 (1999) 267
Jullien, G.A., *see* **Dimitrov, V.S.** 66 (1998) 155
Jung, G., *see* **Choi, K.** 67 (1998) 311
Jung, S., *see* **Choi, K.** 67 (1998) 311
Jurdziński, M., Deciding the winner in parity games is in UP ∩ co-UP 68 (1998) 119
Justin, J. and **G. Pirillo,** On some factorizations of infinite words by elements of codes 62 (1997) 289

Kabadi, S.N., *see* **Phillips, J.M.** 67 (1998) 105
Kabadi, S.N. and **Y.P. Aneja,** An efficient, strongly polynomial, ε-approximation parametric optimization scheme 64 (1997) 173
Kajiwara, Y., *see* **Iwasaki, Y.** 69 (1999) 155
Kamakoti, V., *see* **Graf, T.** 64 (1997) 287
Kameda, T., *see* **Suzuki, I.** 66 (1998) 49
Kanchi, S.P., *see* **Chen, J.** 61 (1997) 317
Kanevsky, A., *see* **Chen, J.** 61 (1997) 317
Kang, H.-J., K. Kim and **J.H. Kim,** Approximating optimally discrete probability distribution with kth-order dependency for combining multiple decisions 62 (1997) 67
Kann, V., J. Lagergren and **A. Panconesi,** Approximate Max k-Cut with subgraph guarantee 65 (1998) 145
Kant, G., G. Liotta, R. Tamassia and **I.G. Tollis,** Area requirement of visibility representations of trees 62 (1997) 81
Kanta, M., *see* **Arnold, A.** 64 (1997) 53
Karger, D., *see* **Blum, A.** 61 (1997) 49
Karpinski, M., *see* **Fernandez de la Vega, W.** 70 (1999) 53
Karpovsky, M.G., K. Chakrabarty, L.B. Levitin and **D.R. Avresky,** On the covering of vertices for fault diagnosis in hypercubes 69 (1999) 99
Kassel, H., *see* **Ait-Bouziad, A.** 65 (1998) 63
Katajainen, J. and **T.A. Pasanen,** In-place sorting with fewer moves 70 (1999) 31
Katoh, N., *see* **Dai, Y.** 64 (1997) 255
Katsura, M., *see* **Shikishima-Tsuji, K.** 61 (1997) 91
Kaykobad, M., *see* **Nath, S.K.** 70 (1999) 241
Kedem, K., *see* **Segal, M.** 65 (1998) 95
Kellerer, H., *see* **Dell'Olmo, P.** 65 (1998) 229
Khan, M.M.H.A. and **M.S. Alam,** Algorithms for conversion of minterms to positive polarity Reed–Muller coefficients and vice versa 62 (1997) 223
Khuller, S., A. Moss and **J.S. Naor,** The budgeted maximum coverage problem 70 (1999) 39
Kim, C., *see* **Kim, S.-H.** 63 (1997) 309
Kim, D.-H., *see* **Lee, G.-O.** 64 (1997) 75
Kim, H.-T. and **M.H. Kim,** Starvation-free secure multiversion concurrency control 65 (1998) 247
Kim, J.H., *see* **Kang, H.-J.** 62 (1997) 67
Kim, J.-S., S. Ha and **C.S. Jhon,** Relaxed barrier synchronization for the BSP model of computation on message-passing architectures 66 (1998) 247
Kim, K., *see* **Kang, H.-J.** 62 (1997) 67
Kim, K., *see* **Park, S.M.** 61 (1997) 209
Kim, M.H., *see* **Hong, S.H.** 61 (1997) 149
Kim, M.H., *see* **Kim, H.-T.** 65 (1998) 247
Kim, S. and **I. Chung,** Application of the special Latin square to a parallel routing algorithm on a recursive circulant network 66 (1998) 141
Kim, S.-H., *see* **Shin, C.-S.** 66 (1998) 133
Kim, S.-H., K. Lim and **C. Kim,** Efficient stream distribution algorithm for heterogeneous multimedia multicast with link capacity constraint 63 (1997) 309
Kim, S.K., Logarithmic width, linear area upward drawing of AVL trees 63 (1997) 303
Kim, S.K., *see* **Shin, C.-S.** 66 (1998) 133
Kim, T., *see* **Choi, K.** 67 (1998) 311
Kindler, E. and **W. van der Aalst,** Liveness, fairness, and recurrence in Petri nets 70 (1999) 269
Kindler, E. and **R. Walter,** Mutex needs fairness 62 (1997) 31
King, G.-H. and **W.-G. Tzeng,** On-line algorithms for the dominating set problem 61 (1997) 11
King, V., C.K. Poon, V. Ramachandran and **S. Sinha,** An optimal EREW PRAM algorithm for minimum spanning tree verification 62 (1997) 153
Kitsios, N., *see* **Bozanis, P.** 61 (1997) 37
Klavžar, S., *see* **Imrich, W.** 63 (1997) 91
Klein, S., *see* **Cerioli, M.R.** 67 (1998) 31

Klimov, A., *see* **Glück, R.** 62 (1997) 127
Kloks, T., D. Kratsch and **H. Müller,** Bandwidth of chain graphs 68 (1998) 313
Kloks, T., H. Müller and **C.K. Wong,** Vertex ranking of asteroidal triple-free graphs 68 (1998) 201
Knapik, T. and **É. Payet,** The full quotient and its closure property for regular languages 65 (1998) 57
Ko, M.-T., *see* **Ho, J.-M.** 63 (1997) 103
Kobayashi, Y., *see* **Shikishima-Tsuji, K.** 61 (1997) 91
Koiran, P., *see* **Cucker, F.** 62 (1997) 209
Konana, P., J. Lee and **S. Ram,** Updating timestamp interval for dynamic adjustment of serialization order in Optimistic Concurrency Control-Time Interval (OCCTI) protocol 63 (1997) 189
Kornerup, J., Odd–even sort in powerlists 61 (1997) 15
Korsh, J.F. and **P. LaFollette,** Loopless generation of Gray codes for k-ary trees 70 (1999) 7
Korsh, J.F. and **S. Lipschutz,** Shifts and loopless generation of k-ary trees 65 (1998) 235
Kovalyov, M.Y. and **Y.M. Shafransky,** Batch scheduling with deadlines on parallel machines: An NP-hard case 64 (1997) 69
Kranakis, E., *see* **Czyzowicz, J.** 66 (1998) 125
Kranakis, E., *see* **Diks, K.** 66 (1998) 181
Kratsch, D., *see* **Deogun, J.S.** 61 (1997) 121
Kratsch, D., *see* **Kloks, T.** 68 (1998) 313
Kratsch, D. and **L. Stewart,** Total domination and transformation 63 (1997) 167
Kreinovich, V., *see* **Blass, A.** 67 (1998) 29
Krivelevich, M. and **B. Sudakov,** Coloring random graphs 67 (1998) 71
Krob, D., *see* **Arnold, A.** 64 (1997) 53
Krumke, S.O., *see* **Schwarz, S.** 66 (1998) 291
Krumke, S.O. and **H.-C. Wirth,** On the minimum label spanning tree problem 66 (1998) 81
Kruszewski, P., A note on the Horton–Strahler number for random binary search trees 69 (1999) 47
Kubiak, W., *see* **Dror, M.** 61 (1997) 297
Kubiak, W., *see* **Gordon, V.** 68 (1998) 153
Kučera, A., On finite representations of infinite-state behaviours 70 (1999) 23
Kučera, L., Computing OR on a randomized fixed adversary CRCW PRAM 63 (1997) 165
Kühn, U., Local calculation of Voronoi diagrams 68 (1998) 307
Kulasinghe, P.D., Connectivity of the crossed cube 61 (1997) 221
Kulkarni, S.S. and **A. Arora,** Multitolerant barrier synchronization 64 (1997) 29
Kumar, D. and **A. Silberschatz,** A counter-example to an algorithm for the generalized input–output construct of CSP 61 (1997) 287
Kumar, S.R., R. Panigrahy, A. Russell and **R. Sundaram,** A note on optical routing on trees 62 (1997) 295
Kuo, S.-Y., *see* **Tsai, J.** 69 (1999) 31
Kuroyanagi, S., *see* **Torres, M.A.** 69 (1999) 253
Kushilevitz, E., A simple algorithm for learning $O(\log n)$-term DNF 61 (1997) 289
Kwai, D.-M. and **B. Parhami,** Pruned three-dimensional toroidal networks 68 (1998) 179
Kwiatkowska, M., *see* **Baier, C.** 66 (1998) 71

LaFollette, P., *see* **Korsh, J.F.** 70 (1999) 7
Lagergren, J., *see* **Kann, V.** 65 (1998) 145
Laih, C.-S., *see* **Yang, C.-N.** 62 (1997) 141
Lakhal, J. and **L. Litzler,** A polynomial algorithm for the extendability problem in bipartite graphs 65 (1998) 11
Lalgudi, K.N. and **M.C. Papaefthymiou,** Computing strictly-second shortest paths 63 (1997) 177
Lam, T.W., *see* **Choi, Y.** 61 (1997) 213
Lambert, T., An optimal algorithm for realizing a Delaunay triangulation 62 (1997) 245
Lan, Y.-F., *see* **Chen, H.-C.** 69 (1999) 119
Landau, G.M., *see* **Amir, A.** 68 (1998) 125
Langston, M.A., *see* **Govindan, R.** 68 (1998) 17
Larmore, L.L., *see* **Chrobak, M.** 63 (1997) 79
Larsen, K.S., Regular expressions with nested levels of back referencing form a hierarchy 65 (1998) 169
Laugerotte, E., *see* **Flouret, M.** 64 (1997) 123
Lavault, C., *see* **Sedjelmaci, M.S.** 61 (1997) 31
Lavín, V., *see* **Castro, J.** 67 (1998) 75
Lavín, V., *see* **Guijarro, D.** 70 (1999) 233
Lê, N.-M., On non-smooth convex distance functions 63 (1997) 323
Lecroq, T., *see* **Crochemore, M.** 63 (1997) 195
Lecroq, T., G. Luce and **J.F. Myoupo,** A faster linear systolic algorithm for recovering a longest common subsequence 61 (1997) 129
Lee, G.-O. and **D.-H. Kim,** Characterization of extended LR(k) grammars 64 (1997) 75
Lee, J., *see* **Konana, P.** 63 (1997) 189
Lee, J.-H., G.-H. Cha and **C.-W. Chung,** A model for k-nearest neighbor query processing cost in multidimensional data space 69 (1999) 69
Lee, J.-H. and **K.-Y. Chwa,** Tight analysis of a self-approaching strategy for the online kernel-search problem 69 (1999) 39
Lee, K.O. and **H.Y. Yeom,** A dynamic scheduling algorithm for large scale multimedia servers 68 (1998) 235
Lee, N.-Y., *see* **Wang, C.-H.** 69 (1999) 95
Lee, N.-Y., T. Hwang and **C.-H. Wang,** The security of two ID-based multisignature protocols for sequential and broadcasting architectures 70 (1999) 79
Lee, R.C.T., *see* **Chao, H.S.** 61 (1997) 311
Lee, R.C.T., *see* **Wu, Q.S.** 65 (1998) 119
Lee, S., *see* **Park, S.M.** 61 (1997) 209
Lee, W.-B. and **C.-C. Chang,** Authenticated encryption schemes with linkage between message blocks 63 (1997) 247
Leino, K.R.M. and **R. Stata,** Virginity: A contribution to the specification of object-oriented software 70 (1999) 99
Leonardi, S., *see* **Feuerstein, E.** 66 (1998) 175
Leu, S.-J., *see* **Chang, R.-S.** 63 (1997) 277
Le Verge, H., *see* **Saouter, Y.** 69 (1999) 291
Levialdi, S., *see* **Bottoni, P.** 67 (1998) 13
Levitin, L.B., *see* **Karpovsky, M.G.** 69 (1999) 99
Levner, E., *see* **Gens, G.** 67 (1998) 261
Lewenstein, M., *see* **Amir, A.** 68 (1998) 125
Lewenstein, M., *see* **Amir, A.** 70 (1999) 185
Lewenstein, N., *see* **Amir, A.** 68 (1998) 125
Li, J., *see* **Luke, E.A.** 66 (1998) 223
Liao, K.-H., *see* **Yen, S.-M.** 62 (1997) 77
Liberatore, V., Uniform multipaging reduces to paging 67 (1998) 9
Libeskind-Hadas, R., *see* **Barden, B.** 70 (1999) 13
Liebl, P., *see* **Friš, I.** 61 (1997) 157
Lim, J.I., *see* **Son, J.J.** 65 (1998) 139
Lim, K., *see* **Kim, S.-H.** 63 (1997) 309
Lin, C.-Y., *see* **Sung, T.-Y.** 66 (1998) 201
Lin, G.-H. and **G. Xue,** Steiner tree problem with minimum number of Steiner points and bounded edge-length 69 (1999) 53

Lin, M.-S. and **D.-J. Chen,** The computational complexity of the reliability problem on distributed systems 64 (1997) 143
Lin, Y.-C. and **C.-K. Liu,** Finding optimal parallel prefix circuits with fan-out 2 in constant time 70 (1999) 191
Linardis, P., *see* **Dervos, D.** 65 (1998) 101
Lingas, A., *see* **Dessmark, A.** 65 (1998) 107
Liotta, G., *see* **Kant, G.** 62 (1997) 81
Lipschutz, S., *see* **Korsh, J.F.** 65 (1998) 235
Litow, B. and **B. Mans,** A note on the Ádám conjecture for double loops 66 (1998) 149
Litzler, L., *see* **Lakhal, J.** 65 (1998) 11
Liu, C.-K., *see* **Lin, Y.-C.** 70 (1999) 191
Liu, H., *see* **Huang, S.-H.S.** 63 (1997) 123
Liu, T.-J., *see* **Huang, S.-T.** 65 (1998) 325
Liu, Z., W. Yu and **T.C.E. Cheng,** Scheduling groups of unit length jobs on two identical parallel machines 69 (1999) 275
Lloyd, E.L., *see* **Ivković, Z.** 63 (1997) 45
Löbbing, M., D. Sieling and **I. Wegener,** Parity OBDDs cannot be handled efficiently enough 67 (1998) 163
Loescher, B., One unary function says less than two in existential second order logic 61 (1997) 69
Longpré, L., *see* **Blass, A.** 67 (1998) 29
Low, C.P., A fast search algorithm for the quorumcast routing problem 66 (1998) 87
Low, C.-P., A polynomial time solvable instance of the feasible minimum cover problem 68 (1998) 141
Lu, C.L. and **C.Y. Tang,** A linear-time algorithm for the weighted feedback vertex problem on interval graphs 61 (1997) 107
Lu, E.H., *see* **Cheng, Y.C.** 68 (1998) 215
Lubiw, A., *see* **Bose, P.** 65 (1998) 277
Lucas, S., Root-neededness and approximations of neededness 67 (1998) 245
Lucas, S., *see* **Hanus, M.** 67 (1998) 1
Luccio, F. and **L. Pagli,** An insight on PRAM computational bounds 63 (1997) 331
Luccio, F.L., Almost exact minimum feedback vertex set in meshes and butterflies 66 (1998) 59
Luce, G., *see* **Lecroq, T.** 61 (1997) 129
Luke, E.A., I. Banicescu and **J. Li,** The optimal effectiveness metric for parallel application analysis 66 (1998) 223
Lund, C., *see* **Chrobak, M.** 63 (1997) 79

Ma, Y. and **S. Plotkin,** An improved lower bound for load balancing of tasks with unknown duration 62 (1997) 301
Maggs, B.M. and **E.J. Schwabe,** Real-time emulations of bounded-degree networks 66 (1998) 269
Mahmoud, H.M., On rotations in fringe-balanced binary trees 65 (1998) 41
Majster-Cederbaum, M. and **M. Roggenbach,** Transition systems from event structures revisited 67 (1998) 119
Mäkinen, E., Inferring uniquely terminating regular languages from positive data 62 (1997) 57
Makris, C., *see* **Bozanis, P.** 61 (1997) 37
Makris, C. and **A. Tsakalidis,** Algorithms for three-dimensional dominance searching in linear space 66 (1998) 277
Malvestuto, F.M., A complete axiomatization of full acyclic join dependencies 68 (1998) 133
Măndoiu, I.I., Optimum extensions of prefix codes 66 (1998) 35
Manolopoulos, Y., *see* **Dervos, D.** 65 (1998) 101
Manolopoulos, Y., *see* **Vakali, A.** 61 (1997) 323
Manos, H., Construction of halvers 69 (1999) 303
Mans, B., *see* **Flocchini, P.** 63 (1997) 23
Mans, B., *see* **Litow, B.** 66 (1998) 149
Mansour, Y., *see* **Bshouty, N.H.** 63 (1997) 211
Mansour, Y. and **M. Parnas,** Learning conjunctions with noise under product distributions 68 (1998) 189
Manuel, P.D., *see* **Dahlhaus, E.** 65 (1998) 301
Marchetti-Spaccamela, A., *see* **Feuerstein, E.** 66 (1998) 175
Martinelli, F., An improvement of algorithms for solving interface equations 67 (1998) 185
Mastrobuoni, V., *see* **Nardelli, E.** 63 (1997) 9
Mastrobuoni, V., *see* **Nardelli, E.** 64 (1997) 149
Masuyama, S., *see* **Nakayama, S.-i.** 62 (1997) 323
Matamala, M., *see* **Cucker, F.** 62 (1997) 209
Mavronicolas, M., *see* **Busch, C.** 63 (1997) 85
Mazurkiewicz, A., Distributed enumeration 61 (1997) 233
McCune, W., Automatic proofs and counterexamples for some ortholattice identities 65 (1998) 285
Mehlhorn, K., *see* **Althaus, E.** 66 (1998) 109
Mehlhorn, K., *see* **Arikati, S.R.** 70 (1999) 251
Mehlhorn, K., *see* **Cheriyan, J.** 69 (1999) 239
Mei, A., *see* **Bao, F.** 62 (1997) 213
Meidanis, J., *see* **de Figueiredo, C.M.H.** 70 (1999) 147
Merritt, M., *see* **Orda, A.** 62 (1997) 41
Messeguer, X., *see* **Gabarró, J.** 68 (1998) 79
Métivier, Y., *see* **Bottreau, A.** 68 (1998) 55
Meyer auf der Heide, F., *see* **Breslauer, D.** 62 (1997) 103
Meyer, R., *see* **Guaiana, G.** 67 (1998) 277
Micheneau, C., Disjoint Hamiltonian cycles in recursive circulant graphs 61 (1997) 259
Middeldorp, A., *see* **Hanus, M.** 67 (1998) 1
Mignosi, F., *see* **Crochemore, M.** 67 (1998) 111
Miller, M., *see* **Dahlhaus, E.** 65 (1998) 301
Miller, W.C., *see* **Dimitrov, V.S.** 66 (1998) 155
Min, S.L., *see* **Park, K.** 63 (1997) 183
Minato, S., *see* **Okuno, H.G.** 66 (1998) 195
Missikoff, M., *see* **Formica, A.** 62 (1997) 269
Mitchell, J.C., *see* **Harper, R.** 70 (1999) 1
Mitchell, J.R., *see* **Grag, V.K.** 63 (1997) 295
Mitrana, V., Primitive morphisms 64 (1997) 277
Mitzenmacher, M., *see* **Albers, S.** 64 (1997) 155
Miyadera, Y., K. Anzai, H. Unno and **T. Yaku,** Depth-first layout algorithm for trees 66 (1998) 187
Mizuno, M., A structured approach for developing concurrent programs in Java 69 (1999) 233
Mizuno, M. and **M. Nesterenko,** A transformation of self-stabilizing serial model programs for asynchronous parallel computing environments 66 (1998) 285
Moffat, A., *see* **Turpin, A.** 68 (1998) 1
Mok, W.Y., On keys and normal forms 62 (1997) 255
Mok, W.Y. and **D.W. Embley,** On improving dependency implication algorithms 64 (1997) 135
Molter, U., *see* **Belogay, E.** 64 (1997) 17
Molter, U.M., *see* **Cabrelli, C.A.** 66 (1998) 161
Molva, R. and **G. Tsudik,** Secret sets and applications 65 (1998) 47
Montaña, J.L. and **L.M. Pardo,** On Kolmogorov complexity in the real Turing machine setting 67 (1998) 81
Moon, S.-J., *see* **Ha, J.-C.** 66 (1998) 105
Moret, B.M.E., *see* **Collins, M.J.** 68 (1998) 317

Morillo, P., C. Padró, G. Sáez and **J.L. Villar,** Weighted threshold secret sharing schemes 70 (1999) 211
Morris, J.M., Non-deterministic expressions and predicate transformers 61 (1997) 241
Mosca, R., Polynomial algorithms for the maximum stable set problem on particular classes of P_5-free graphs 61 (1997) 137
Moss, A., *see* **Khuller, S.** 70 (1999) 39
Müller, H., *see* **Kloks, T.** 68 (1998) 201
Müller, H., *see* **Kloks, T.** 68 (1998) 313
Mussio, P., *see* **Di Zenzo, S.** 64 (1997) 207
Muthukrishnan, S., *see* **Farach, M.** 61 (1997) 7
Myoupo, J.F., *see* **Lecroq, T.** 61 (1997) 129
Myoupo, J.-F. and **A. Wabbi,** Improved linear systolic algorithms for substring statistics 61 (1997) 253
Myrvold, W., *see* **Yan, W.-M.** 68 (1998) 295

Nagamochi, H. and **T. Ibaraki,** A note on minimizing submodular functions 67 (1998) 239
Nagavamsi, P., *see* **Chang, M.-S.** 66 (1998) 65
Nakano, S.-i., M.S. Rahman and **T. Nishizeki,** A linear-time algorithm for four-partitioning four-connected planar graphs 62 (1997) 315
Nakayama, S.-i. and **S. Masuyama,** A parallel algorithm for solving the coloring problem on trapezoid graphs 62 (1997) 323
Nanni, U., *see* **Franciosa, P.G.** 61 (1997) 113
Naor, J.S., *see* **Khuller, S.** 70 (1999) 39
Nardelli, E., V. Mastrobuoni and **A. Santomo,** On building the transitive reduction of a two-dimensional poset 63 (1997) 9
Nardelli, E., V. Mastrobuoni and **A. Santomo,** Computing a poset from its realizer 64 (1997) 149
Nardelli, E., G. Proietti and **P. Widmayer,** Finding the detour-critical edge of a shortest path between two nodes 67 (1998) 51
Nash, J., Scalable and predictable performance for irregular problems using the WPRAM computational model 66 (1998) 237
Nath, S.K., R.A. Chowdhury and **M. Kaykobad,** On average edge length of minimum spanning trees 70 (1999) 241
Nawrocki, J.R., A. Czajka and **W. Complak,** Scheduling cyclic tasks with binary periods 65 (1998) 173
Nepomniaschy, V.A., Symbolic verification method for definite iteration over data structures 69 (1999) 207
Nesterenko, M., *see* **Mizuno, M.** 66 (1998) 285
Nikolopoulos, S.D. and **P. Rondogiannis,** On the number of spanning trees of multi-star related graphs 65 (1998) 183
Nishizeki, T., *see* **Nakano, S.-i.** 62 (1997) 315
Nivat, M., *see* **Del Lungo, A.** 65 (1998) 293

Obokata, K., *see* **Iwasaki, Y.** 69 (1999) 155
Odijk, M.A. and **H. van Maaren,** Improved solutions to the Steiner triple covering problem 65 (1998) 67
Odlyzko, A., *see* **Gilbert, H.** 68 (1998) 197
Ohsawa, T., *see* **Iwama, K.** 61 (1997) 265
Okuno, H.G., S. Minato and **H. Isozaki,** On the properties of combination set operations 66 (1998) 195
Olson, C.F., An approximation algorithm for least median of squares regression 63 (1997) 237
Ookubo, T., *see* **Sassa, M.** 62 (1997) 305
Orda, A. and **M. Merritt,** Efficient test&set constructions for faulty shared memory 62 (1997) 41
Orozco, J., R. Cayssials, J. Santos and **E. Ferro,** 802.4 Rate Monotonic scheduling in hard real-time environments: Setting the medium access control parameters 62 (1997) 47
Padró, C., Robust vector space secret sharing schemes 68 (1998) 107
Padró, C., *see* **Harbane, R.** 62 (1997) 231
Padró, C., *see* **Harbane, R.** 62 (1997) 237
Padró, C., *see* **Morillo, P.** 70 (1999) 211
Pagli, L., *see* **Luccio, F.** 63 (1997) 331
Panconesi, A., *see* **Kann, V.** 65 (1998) 145
Pandu Rangan, C., *see* **Arvind, A.** 69 (1999) 197
Pandu Rangan, C., *see* **Chang, M.-S.** 66 (1998) 65
Pandu Rangan, C., *see* **Guruswami, V.** 68 (1998) 241
Pang, C., *see* **Dong, G.** 62 (1997) 193
Panigrahy, R., *see* **Kumar, S.R.** 62 (1997) 295
Papaefthymiou, M.C., *see* **Lalgudi, K.N.** 63 (1997) 177
Pardo, L.M., *see* **Montaña, J.L.** 67 (1998) 81
Parfenoff, I., *see* **Fouquet, J.L.** 62 (1997) 281
Parhami, B., *see* **Kwai, D.-M.** 68 (1998) 179
Parhami, B., *see* **Yeh, C.-H.** 68 (1998) 39
Park, C., *see* **Sung, S.H.** 69 (1999) 21
Park, K., S.L. Min and **Y. Cho,** The working set algorithm has competitive ratio less than two 63 (1997) 183
Park, S.M., S. Lee, S.H. Sung and **K. Kim,** Improving bounds for the number of correlation immune Boolean functions 61 (1997) 209
Parnas, M., *see* **Mansour, Y.** 68 (1998) 189
Pasanen, T.A., *see* **Katajainen, J.** 70 (1999) 31
Paul, W.J., *see* **Döring, A.** 62 (1997) 161
Păun, G., *see* **Bottoni, P.** 67 (1998) 13
Payet, É., *see* **Knapik, T.** 65 (1998) 57
Pedreschi, D. and **S. Ruggieri,** Weakest preconditions for pure Prolog programs 67 (1998) 145
Pelc, A., *see* **Diks, K.** 66 (1998) 181
Peled, D., *see* **Alur, R.** 69 (1999) 137
Peled, D. and **T. Wilke,** Stutter-invariant temporal properties are expressible without the next-time operator 63 (1997) 243
Peng, S., *see* **Gu, Q.-P.** 62 (1997) 201
Peng, S., *see* **Gu, Q.-P.** 67 (1998) 283
Persiano, G., *see* **De Santis, A.** 69 (1999) 201
Petit, A., *see* **Guaiana, G.** 67 (1998) 277
Petreschi, R., *see* **Calamoneri, T.** 61 (1997) 247
Phillips, J.M., A.P. Punnen and **S.N. Kabadi,** A linear time algorithm for the bottleneck traveling salesman problem on a Halin graph 67 (1998) 105
Pinzani, R., *see* **Del Lungo, A.** 65 (1998) 293
Pirillo, G., *see* **Justin, J.** 62 (1997) 289
Plaxton, C.G., *see* **Baruah, S.K.** 64 (1997) 43
Plotkin, S., *see* **Ma, Y.** 62 (1997) 301
Ponse, A., *see* **Bergstra, J.A.** 67 (1998) 95
Pontelli, E., *see* **Ranjan, D.** 68 (1998) 71
Poon, C.K., *see* **King, V.** 62 (1997) 153
Poon, C.K., B. Zhu and **F. Chin,** A polynomial time solution for labeling a rectilinear map 65 (1998) 201
Posenato, R. and **M. Santini,** A new lower bound on approximability of the ground state problem for tridimensional Ising spin glasses 68 (1998) 167
Powell, D.R., L. Allison and **T.I. Dix,** A versatile divide and conquer technique for optimal string alignment 70 (1999) 127
Preethy, A.P., *see* **Radhakrishnan, D.** 69 (1999) 249
Pritchard, P., An old sub-quadratic algorithm for finding extremal sets 62 (1997) 329
Prodinger, H., *see* **Grabner, P.J.** 65 (1998) 89
Proietti, G., *see* **Nardelli, E.** 67 (1998) 51
Pulleyblank, W.R., *see* **Fekete, S.P.** 66 (1998) 171

Punnen, A.P., *see* **Phillips, J.M.** 67 (1998) 105

Quaglia, F. and **R. Baldoni,** Exploiting intra-object dependencies in parallel simulation 70 (1999) 119
Queinnec, C., Fast and compact dispatching for dynamic object-oriented languages 64 (1997) 315
Quisquater, J.-J., *see* **Gilbert, H.** 68 (1998) 197

Rabi, M. and **A.T. Sherman,** An observation on associative one-way functions in complexity theory 64 (1997) 239
Rabinovich, A., Non-elementary lower bound for Propositional Duration Calculus 66 (1998) 7
Radhakrishnan, D. and **A.P. Preethy,** A parallel approach to direct analog-to-residue conversion 69 (1999) 249
Raghavan, V., *see* **Guijarro, D.** 70 (1999) 233
Rahman, M.S., *see* **Nakano, S.-i.** 62 (1997) 315
Rajasekaran, S., An optimal parallel algorithm for sorting multisets 67 (1998) 141
Ram, S., *see* **Konana, P.** 63 (1997) 189
Ramachandran, V., *see* **King, V.** 62 (1997) 153
Ramamurthy, B., *see* **Chalamaiah, N.** 67 (1998) 157
Raman, V., *see* **Balasubramanian, R.** 65 (1998) 163
Raman, V., B. Ravikumar and **S. Srinivasa Rao,** A simplified NP-complete MAXSAT problem 65 (1998) 1
Ramesh, H., *see* **Arya, S.** 65 (1998) 117
Ramírez Alfonsín, J.L., A special arrangement with minimal number of triangles 67 (1998) 273
Ranjan, D., *see* **Harary, F.** 67 (1998) 227
Ranjan, D., E. Pontelli and **G. Gupta,** Efficient algorithms for the temporal precedence problem 68 (1998) 71
Raschle, T., *see* **Sterbini, A.** 67 (1998) 255
Raskin, J.-F., *see* **Schobbens, P.-Y.** 69 (1999) 221
Ravelo, J.N., *see* **Bird, R.S.** 63 (1997) 1
Ravi Kanth, K.V. and **A. Singh,** Efficient dynamic range searching using data replication 68 (1998) 97
Ravi, R., *see* **Chaudhuri, S.** 65 (1998) 131
Ravikumar, B., *see* **Raman, V.** 65 (1998) 1
Reingold, E.M., K.J. Urban and **D. Gries,** K-M-P string matching revisited 64 (1997) 217
Reingold, N., *see* **Chrobak, M.** 63 (1997) 79
Reingold, O., *see* **Biham, E.** 70 (1999) 83
Rémy, J.L., *see* **Alonso, L.** 64 (1997) 305
Restivo, A., *see* **Crochemore, M.** 67 (1998) 111
Rhee, C., On the chromatic index of graphs with $2m+1$ vertices and $2m^2$ edges 66 (1998) 115
Rhee, I. and **J.L. Welch,** Time bounds on synchronization in a periodic distributed system 64 (1997) 87
Rifà, J., A new algebraic algorithm to decode the ternary Golay code 68 (1998) 271
Rizzi, R., *see* **Caprara, A.** 68 (1998) 11
Robins, G., B.L. Robinson and **B.S. Sethi,** On detecting spatial regularity in noisy images 69 (1999) 189
Robinson, B.L., *see* **Robins, G.** 69 (1999) 189
Rodeh, M., *see* **Dinitz, Y.** 70 (1999) 141
Roelants van Baronaigien, D., A multi-stack method for the fast generation of permutations with minimal length increasing subsequences 69 (1999) 123
Roggenbach,M., see**Majster-Cederbaum,M.** 67 (1998) 119
Ron, D., *see* **Goldreich, O.** 63 (1997) 131
Rondogiannis, P., *see* **Nikolopoulos, S.D.** 65 (1998) 183
Rosen, J.B., *see* **Xue, G.** 66 (1998) 127
Rosenberg, B., Fast nondeterministic recognition of context-free languages using two queues 67 (1998) 91
Rosenbloom, A., Monotone real circuits are more powerful than monotone boolean circuits 61 (1997) 161
Rosenbloom, A., On the sets of perfect matchings for two bipartite graphs 70 (1999) 95
Rothe, J., *see* **Hemaspaandra, E.** 65 (1998) 151
Roupin, F., On approximating the memory-Constrained Module Allocation Problem 61 (1997) 205
Roussel, F. and **I. Rusu,** A linear algorithm to color i-triangulated graphs 70 (1999) 57
Rubinstein, S., *see* **Hassin, R.** 63 (1997) 63
Rubinstein, S., *see* **Hassin, R.** 67 (1998) 125
Ruggieri, S., *see* **Pedreschi, D.** 67 (1998) 145
Ruskey, F., *see* **Bultena, B.** 68 (1998) 255
Russell, A., *see* **Kumar, S.R.** 62 (1997) 295
Rusu, I., *see* **Roussel, F.** 70 (1999) 57
Ružička, P., *see* **Diks, K.** 66 (1998) 181
Ryan, P.Y.A. and **S.A. Schneider,** An attack on a recursive authentication protocol. A cautionary tale 65 (1998) 7

Saab, Y.G., An improved algorithm for intersecting convex polygons 61 (1997) 89
Sack, J.-R., *see* **Atkinson, M.D.** 70 (1999) 63
Sáez, G., *see* **Morillo, P.** 70 (1999) 211
Sakurai, K., *see* **Dannoura, E.** 66 (1998) 27
Salhi, A., H. Glaser and **D. De Roure,** Parallel implementation of a genetic-programming based tool for symbolic regression 66 (1998) 299
Salmasizadeh, M., *see* **Golić, J.Dj.** 64 (1997) 37
Salmasizadeh, M., *see* **Simpson, L.** 70 (1999) 89
Sanchez, P.P. and **R. Soyer,** Information concepts and pairwise comparison matrices 68 (1998) 185
Sanders, P., Random permutations on distributed, external and hierarchical memory 67 (1998) 305
Santini, M., *see* **Posenato, R.** 68 (1998) 167
Santomo, A., *see* **Nardelli, E.** 63 (1997) 9
Santomo, A., *see* **Nardelli, E.** 64 (1997) 149
Santone, A., *see* **Barbuti, R.** 70 (1999) 69
Santoro, N., *see* **Feuerstein, E.** 66 (1998) 175
Santoro, N., *see* **Flocchini, P.** 63 (1997) 23
Santos, J., *see* **Orozco, J.** 62 (1997) 47
Saouter, Y. and **H. Le Verge,** Computability of affine non-conditional recurrent systems 69 (1999) 291
Sassa, M. and **T. Ookubo,** Systematic debugging method for attribute grammar description 62 (1997) 305
Sato, T., Ergodicity of linear cellular automata over $\mathbb{Z}_m$ 61 (1997) 169
Sato, T., Surjective linear cellular automata over $\mathbb{Z}_m$ 66 (1998) 101
Schieber, B., *see* **Bshouty, N.H.** 63 (1997) 211
Schittenkopf, C., G. Deco and **W. Brauer,** Finite automata-models for the investigation of dynamical systems 63 (1997) 137
Schmeichel, E.F., *see* **Hakimi, S.L.** 63 (1997) 229
Schneider, S.A., *see* **Ryan, P.Y.A.** 65 (1998) 7
Schobbens, P.-Y. and **J.-F. Raskin,** The logic of "initially" and "next": Complete axiomatization and complexity 69 (1999) 221
Schoenmakers, B., A tight lower bound for top-down skew heaps 61 (1997) 279
Schönherr, S., *see* **Gärtner, B.** 68 (1998) 33
Schott, R., *see* **Alonso, L.** 64 (1997) 305

Schwabe, E.J., *see* **Maggs, B.M.** 66 (1998) 269
Schwarz, S. and **S.O. Krumke,** On budget-constrained flow improvement 66 (1998) 291
Schwarzkopf, O., *see* **de Berg, M.** 63 (1997) 215
Schwarzkopf, O., *see* **Efrat, A.** 64 (1997) 309
Secher, J.P., *see* **Alstrup, S.** 64 (1997) 161
Sedjelmaci, M.S. and **C. Lavault,** Improvements on the accelerated integer GCD algorithm 61 (1997) 31
Segal, M. and **K. Kedem,** Enclosing k points in the smallest axis parallel rectangle 65 (1998) 95
Selkow, S., *see* **Taylor, S.** 61 (1997) 55
Sengupta, A., On ring embedding in hypercubes with faulty nodes and links 68 (1998) 207
Sengupta, A., *see* **Abbasi, S.** 62 (1997) 135
Sengupta, R., Cancellation is exponentially powerful for computing the determinant 62 (1997) 177
Sereno, M., Binary search with errors and variable cost queries 68 (1998) 261
Sethi, B.S., *see* **Robins, G.** 69 (1999) 189
Sgall, J., A lower bound for randomized on-line multiprocessor scheduling 63 (1997) 51
Shachnai, H. and **J.J. Turek,** Multiresource malleable task scheduling to minimize response time 70 (1999) 47
Shafransky, Y.M., *see* **Kovalyov, M.Y.** 64 (1997) 69
Sharp, D., *see* **Edalat, A.** 64 (1997) 197
Shende, S.M., *see* **Feder, T.** 67 (1998) 295
Sherman, A.T., *see* **Rabi, M.** 64 (1997) 239
Shibata, Y., *see* **Hasunuma, T.** 61 (1997) 25
Shidlovsky, B., *see* **Bertino, E.** 64 (1997) 1
Shikishima-Tsuji, K., M. Katsura and **Y. Kobayashi,** On termination of confluent one-rule string-rewriting systems 61 (1997) 91
Shimozono, S., K. Hirata and **A. Shinohara,** On the hardness of approximating the minimum consistent acyclic DFA and decision diagram 66 (1998) 165
Shin, C.-S., S.K. Kim, S.-H. Kim and **K.-Y. Chwa,** Algorithms for drawing binary trees in the plane 66 (1998) 133
Shin, C.-S., S.Y. Shin and **K.-Y. Chwa,** The widest k-dense corridor problems 68 (1998) 25
Shin, S.-Y., *see* **Baek, N.** 66 (1998) 119
Shin, S.Y., *see* **Shin, C.-S.** 68 (1998) 25
Shinohara, A., *see* **Shimozono, S.** 66 (1998) 165
Shirazi, A., *see* **Israeli, A.** 65 (1998) 33
Shmueli, O., *see* **Gavril, F.** 66 (1998) 1
Shmueli, O. and **K. Shoens,** Data sufficiency for queries on cache 65 (1998) 209
Shoens, K., *see* **Shmueli, O.** 65 (1998) 209
Shokrollahi, M.A., D.A. Spielman and **V. Stemann,** A remark on matrix rigidity 64 (1997) 283
Shonkwiler, R., *see* **Belogay, E.** 64 (1997) 17
Sieling, D., *see* **Löbbing, M.** 67 (1998) 163
Silberschatz, A., *see* **Kumar, D.** 61 (1997) 287
Silvestri, R., *see* **Borchert, B.** 63 (1997) 153
Silvestri, R., *see* **Cintioli, P.** 61 (1997) 189
Simon, J. and **J.-M. Wierum,** The Latency-of-Data-Access model for analyzing parallel computation 66 (1998) 255
Simpson, L., J. Golić, M. Salmasizadeh and **E. Dawson,** A fast correlation attack on multiplexer generators 70 (1999) 89
Simpson, L., *see* **Golić, J.Dj.** 64 (1997) 37
Singh, A., *see* **Ravi Kanth, K.V.** 68 (1998) 97
Sinha, R.K., Simulation of PRAMs with scan primitives by unbounded fan-in circuits 68 (1998) 275
Sinha, S., *see* **King, V.** 62 (1997) 153
Skyum, S., *see* **Frandsen, G.S.** 63 (1997) 75
Slavík, P., Improved performance of the greedy algorithm for partial cover 64 (1997) 251
Smid, M., *see* **Gupta, P.** 64 (1997) 263
Smid, M., *see* **Gupta, P.** 69 (1999) 7
Son, J.J., J.I. Lim, S. Chee and **S.H. Sung,** Global avalanche characteristics and nonlinearity of balanced Boolean functions 65 (1998) 139
Sorri, L., *see* **Del Lungo, A.** 65 (1998) 293
Soyer, R., *see* **Sanchez, P.P.** 68 (1998) 185
Speranza, M.G., *see* **Dell'Olmo, P.** 61 (1997) 195
Speranza, M.G., *see* **Dell'Olmo, P.** 65 (1998) 229
Spielman, D.A., *see* **Shokrollahi, M.A.** 64 (1997) 283
Spork, M., *see* **Alstrup, S.** 64 (1997) 161
Srinivasa Rao, S., *see* **Raman, V.** 65 (1998) 1
Stata, R., *see* **Leino, K.R.M.** 70 (1999) 99
Steiner, G., *see* **Deogun, J.S.** 61 (1997) 121
Stemann, V., *see* **Shokrollahi, M.A.** 64 (1997) 283
Sterbini, A., *see* **Calamoneri, T.** 63 (1997) 97
Sterbini, A. and **T. Raschle,** An $O(n^3)$ time algorithm for recognizing threshold dimension 2 graphs 67 (1998) 255
Stewart, I.A., *see* **Arratia-Quesada, A.A.** 63 (1997) 147
Stewart, I.A., *see* **Ashir, Y.** 61 (1997) 43
Stewart, I.A., *see* **Chauhan, S.R.** 69 (1999) 77
Stewart, L., *see* **Kratsch, D.** 63 (1997) 167
Stinson, D.R. and **R. Wei,** An application of ramp schemes to broadcast encryption 69 (1999) 131
Stoica, I., *see* **Baruah, S.K.** 64 (1997) 43
Strijk, T. and **M. van Kreveld,** Labeling a rectilinear map more efficiently 69 (1999) 25
Subramanian, K.G., *see* **Emerald, J.D.** 70 (1999) 217
Sudakov, B., *see* **Krivelevich, M.** 67 (1998) 71
Sugimoto, N. and **H. Ishizaka,** Generating languages by a derivation procedure for elementary formal systems 69 (1999) 161
Sun, S., *see* **Xue, G.** 66 (1998) 127
Sundaram, R., *see* **Kumar, S.R.** 62 (1997) 295
Sung, S.H., *see* **Park, S.M.** 61 (1997) 209
Sung, S.H., *see* **Son, J.J.** 65 (1998) 139
Sung, S.H., S. Chee and **C. Park,** Global avalanche characteristics and propagation criterion of balanced Boolean functions 69 (1999) 21
Sung, T.-Y., *see* **Wang, S.-Y.** 61 (1997) 173
Sung, T.-Y., C.-Y. Lin, Y.-C. Chuang and **L.-H. Hsu,** Fault tolerant token ring embedding in double loop networks 66 (1998) 201
Suzuki, I., M. Yamashita, H. Umemoto and **T. Kameda,** Bushiness and a tight worst-case upper bound on the search number of a simple polygon 66 (1998) 49
Szepietowski, A., Weak and strong one-way space complexity classes 68 (1998) 299

Tamassia, R., *see* **Kant, G.** 62 (1997) 81
Tamon, C., *see* **Bshouty, N.H.** 65 (1998) 217
Tan, Y.H., *see* **Chang, K.** 65 (1998) 319
Tang, C.Y., *see* **Lu, C.L.** 61 (1997) 107
Tang, C.Y., *see* **Wu, B.Y.** 63 (1997) 263
Tang, C.Y., *see* **Wu, B.Y.** 69 (1999) 63
Taylor, S., N. Hachem and **S. Selkow,** The average height of a node in the BANG abstract directory tree 61 (1997) 55

Tejel, J., *see* **García, A.** 68 (1998) 3
Terekhov, I. and **T. Camp,** Time efficient deadlock resolution algorithms 69 (1999) 149
Thilikos, D.M. and **H.L. Bodlaender,** Fast partitioning l-apex graphs with applications to approximating maximum induced-subgraph problems 61 (1997) 227
Thilikos, D.M., *see* **Bodlaender, H.L.** 61 (1997) 101
Thomas, D.G., *see* **Emerald, J.D.** 70 (1999) 217
Thomborson, C.D., The economics of large-memory computations 66 (1998) 263
Thuillier, H., *see* **Fouquet, J.L.** 62 (1997) 281
Tiwari, P., *see* **Bshouty, N.H.** 63 (1997) 211
Tollis, I.G., *see* **Kant, G.** 62 (1997) 81
Torán, J., *see* **Arvind, V.** 69 (1999) 181
Torres, M.A., S. Kuroyanagi and **A. Iwata,** The Self-Indexed Search Algorithm: A bit-level approach to minimal perfect hashing 69 (1999) 253
Trevisan, L., *see* **Cesati, M.** 64 (1997) 165
Tsai, J., Y.-M. Wang and **S.-Y. Kuo,** Evaluations of domino-free communication-induced checkpointing protocols 69 (1999) 31
Tsai, J.-H., *see* **Huang, K.-C.** 70 (1999) 197
Tsakalidis, A., *see* **Bozanis, P.** 61 (1997) 37
Tsakalidis, A., *see* **Makris, C.** 66 (1998) 277
Tsitsiklis, J.N., *see* **Blondel, V.D.** 63 (1997) 283
Tsudik, G., *see* **Molva, R.** 65 (1998) 47
Tsukiji, T., *see* **Domingo, C.** 64 (1997) 179
Tucker, P.A., *see* **Hu, T.C.** 67 (1998) 137
Turek, J.J., *see* **Shachnai, H.** 70 (1999) 47
Turpin, A. and **A. Moffat,** Comment on "Efficient Huffman decoding" and "An efficient finite-state machine implementation of Huffman decoders" 68 (1998) 1
Tuza, Z., *see* **Dell'Olmo, P.** 65 (1998) 229
Tyszkiewicz, J., A note on the Kolmogorov data complexity and nonuniform logical definitions 64 (1997) 187
Tzeng, W.-G., Common modulus and chosen-message attacks on public-key schemes with linear recurrence relations 70 (1999) 153
Tzeng, W.-G., *see* **King, G.-H.** 61 (1997) 11
Tzeng, W.-G. and **C.-M. Hu,** Inter-protocol interleaving attacks on some authentication and key distribution protocols 69 (1999) 297

Uehara, R., Collapse of PP with a semi-random source to BPP 61 (1997) 83
Uhlmann, J., *see* **Boroujerdi, A.** 67 (1998) 317
Umemoto, H., *see* **Suzuki, I.** 66 (1998) 49
Unno, H., *see* **Miyadera, Y.** 66 (1998) 187
Urban, K.J., *see* **Reingold, E.M.** 64 (1997) 217
Urrutia, J., *see* **Czyzowicz, J.** 66 (1998) 125
Ushijima, K., *see* **Xiang, L.** 65 (1998) 135
Ustimenko, A.P., Colored cause–effect structures 68 (1998) 219

Vaccaro, U., *see* **Blundo, C.** 65 (1998) 25
Vaccaro, U., *see* **De Bonis, A.** 67 (1998) 57
Vaccaro, U., *see* **De Marco, G.** 66 (1998) 321
Vaglini, G., *see* **Barbuti, R.** 70 (1999) 69
Vajnovszki, V., On the loopless generation of binary tree sequences 68 (1998) 113
Vakali, A. and **Y. Manolopoulos,** An exact analysis on expected seeks in shadowed disks 61 (1997) 323
van der Aalst, W., *see* **Kindler, E.** 70 (1999) 269
van Dijk, M., More information theoretical inequalities to be used in secret sharing? 63 (1997) 41
van Kreveld, M., *see* **Strijk, T.** 69 (1999) 25
van Maaren, H., *see* **Odijk, M.A.** 65 (1998) 67
van Ommering, R.C., *see* **Feijs, L.M.G.** 63 (1997) 159
Varadarajan, K.R. and **P.K. Agarwal,** Linear approximation of simple objects 62 (1997) 89
Varol, Y., *see* **Chang, K.** 65 (1998) 319
Vassiliev, V.A., On decision trees for orthants 62 (1997) 265
Vedantham, S. and **S.S. Iyengar,** The Band-width Allocation Problem in the ATM network model is NP-complete 65 (1998) 179
Veith, H., Languages represented by Boolean formulas 63 (1997) 251
Veloso, P.A.S. and **S.R.M. Veloso,** On methods for safe introduction of operations 64 (1997) 231
Veloso, S.R.M., *see* **Veloso, P.A.S.** 64 (1997) 231
Venkatesh, S., Pseudo-average block sensitivity equals average sensitivity 68 (1998) 93
Verbarg, K., Approximate center points in dense point sets 61 (1997) 271
Verhaegh, W.F.J. and **E.H.L. Aarts,** A polynomial-time algorithm for Knapsack with divisible item sizes 62 (1997) 217
Verma, R.M., *see* **Huang, S.-H.S.** 63 (1997) 123
Vigna, S., *see* **Boldi, P.** 64 (1997) 299
Villar, J.L., *see* **Morillo, P.** 70 (1999) 211
von Karger, B. and **R. Berghammer,** Computing kernels in directed bichromatic graphs 62 (1997) 5
Vossen, G., *see* **Ebert, J.** 63 (1997) 221

Wabbi, A., *see* **Myoupo, J.-F.** 61 (1997) 253
Wagner, K.W., A note on parallel queries and the symmetric-difference hierarchy 66 (1998) 13
Waldmann, U., Extending reduction orderings to ACU-compatible reduction orderings 67 (1998) 43
Walsh, T., *see* **Frank, J.** 65 (1998) 241
Walter, R., *see* **Kindler, E.** 62 (1997) 31
Wang, C.A., F.Y. Chin and **B.T. Yang,** Maximum weight triangulation and graph drawing 70 (1999) 17
Wang, C.-C., *see* **Hsieh, T.-M.** 66 (1998) 317
Wang, C.-H., *see* **Hwang, T.** 65 (1998) 189
Wang, C.-H., *see* **Lee, N.-Y.** 70 (1999) 79
Wang, C.-H., T. Hwang and **N.-Y. Lee,** Comments on two group signatures 69 (1999) 95
Wang, C.-L., *see* **Hwang, W.-P.** 70 (1999) 255
Wang, F.-J., *see* **Chen, J.-L.** 66 (1998) 309
Wang, F.-J., *see* **Huang, K.-C.** 70 (1999) 197
Wang, H., On syntactic nuclei of rational languages 67 (1998) 221
Wang, J.-J., C.-N. Hung and **L.-H. Hsu,** Optimal 1-hamiltonian graphs 65 (1998) 157
Wang, K., *see* **Chou, C.** 70 (1999) 259
Wang, M.Z., Linear complexity profiles and jump complexity 61 (1997) 165
Wang, S.C., *see* **Yan, K.Q.** 69 (1999) 243
Wang, S.-J., Distributed routing in a fault-tolerant multistage interconnection network 63 (1997) 205
Wang, S.-Y., L.-H. Hsu and **T.-Y. Sung,** Faithful 1-edge fault tolerant graphs 61 (1997) 173
Wang, Y., NP-hard sets are superterse unless NP is small 61 (1997) 1
Wang, Y., A separation of two randomness concepts 69 (1999) 115
Wang, Y.-L., *see* **Chen, H.-C.** 63 (1997) 13

Wang, Y.-L., *see* **Chen, H.-C.** 69 (1999) 119
Wang, Y.-M., *see* **Tsai, J.** 69 (1999) 31
Wang, Z., On the complexity of quality of service routing 69 (1999) 111
Warners, J.P., A linear-time transformation of linear inequalities into conjunctive normal form 68 (1998) 63
Warpechowska-Gruca, J., *see* **Bshouty, N.H.** 69 (1999) 259
Watanabe, O., *see* **Domingo, C.** 64 (1997) 179
Wegener, I., *see* **Bollig, B.** 66 (1998) 53
Wegener, I., *see* **Löbbing, M.** 67 (1998) 163
Wei, L.-C. and **R.-S. Chang,** Broadcast scheduling in packet radio networks by Hopfield neural networks 63 (1997) 271
Wei, R., *see* **Stinson, D.R.** 69 (1999) 131
Weil, P., *see* **Guaiana, G.** 67 (1998) 277
Welch, J.L., *see* **Rhee, I.** 64 (1997) 87
While, L., *see* **Edalat, A.** 64 (1997) 197
Widmayer, P., *see* **Nardelli, E.** 67 (1998) 51
Wierum, J.-M., *see* **Simon, J.** 66 (1998) 255
Wierzbowska, I., Checker for data structures which sort elements 64 (1997) 245
Wilke, T., *see* **Peled, D.** 63 (1997) 243
Williams, W., *see* **Barden, B.** 70 (1999) 13
Wilson, D.K., *see* **Bshouty, N.H.** 65 (1998) 217
Wirth, H.-C., *see* **Krumke, S.O.** 66 (1998) 81
Woeginger, G.J., There is no asymptotic PTAS for two-dimensional vector packing 64 (1997) 293
Woeginger, G.J., *see* **Csirik, J.** 63 (1997) 171
Wong, C.K., *see* **Kloks, T.** 68 (1998) 201
Wong, L., *see* **Bertino, E.** 70 (1999) 165
Wool, A., *see* **Amir, Y.** 65 (1998) 223
Wright, W.E., A refinement of replacement selection 70 (1999) 107
Wu, B.Y., K.-M. Chao and **C.Y. Tang,** An efficient algorithm for the length-constrained heaviest path problem on a tree 69 (1999) 63
Wu, B.Y. and **C.Y. Tang,** An $O(n)$ algorithm for finding an optimal position with relative distances in an evolutionary tree 63 (1997) 263
Wu, I.-C., *see* **Chen, L.-B.** 67 (1998) 151
Wu, Q.S., K.M. Chao and **R.C.T. Lee,** The NPO-completeness of the longest Hamiltonian cycle problem 65 (1998) 119
Wu, S.W., *see* **Cheng, Y.C.** 68 (1998) 215

Xiang, L. and **K. Ushijima,** ANSV problem on BSRs 65 (1998) 135
Xu, Y., *see* **Cai, L.** 69 (1999) 127
Xue, G., S. Sun and **J.B. Rosen,** Fast data transmission and maximal dynamic flow 66 (1998) 127
Xue, G., *see* **Lin, G.-H.** 69 (1999) 53

Yaku, T., *see* **Miyadera, Y.** 66 (1998) 187
Yamashita, M., *see* **Suzuki, I.** 66 (1998) 49
Yamazaki, K., *see* **Bodlaender, H.L.** 61 (1997) 101
Yan, K.Q., S.C. Wang and **Y.H. Chin,** Consensus under unreliable transmission 69 (1999) 243
Yan, W.-M., W. Myrvold and **K.-L. Chung,** A formula for the number of spanning trees of a multi-star related graph 68 (1998) 295
Yan, X., *see* **Govindan, R.** 68 (1998) 17
Yang, B.T., *see* **Wang, C.A.** 70 (1999) 17
Yang, B.Y., *see* **Chang, Y.-I.** 64 (1997) 95
Yang, C.-B., *see* **Chang, Y.-W.** 65 (1998) 331
Yang, C.-N. and **C.-S. Laih,** A note on error-correcting codes for authentication and subliminal channels 62 (1997) 141
Yang, W., A data-parallel algorithm for minimum-width tree layout 67 (1998) 21
Yeh, C.-H. and **B. Parhami,** VLSI layouts of complete graphs and star graphs 68 (1998) 39
Yeh, Y.-S., *see* **Hsieh, T.-M.** 66 (1998) 317
Yen, S.-M. and **K.-H. Liao,** Shared authentication token secure against replay and weak key attacks 62 (1997) 77
Yeom, H.Y., *see* **Lee, K.O.** 68 (1998) 235
Yokoyama, M., *see* **Ito, H.** 66 (1998) 209
Young, N.E., *see* **Hakimi, S.L.** 63 (1997) 229
Young-Lai, M., Adding state merging to the DMC data compression algorithm 70 (1999) 223
Yu, W., *see* **Liu, Z.** 69 (1999) 275

Zaremba, M.B., *see* **Fraczak, W.** 68 (1998) 47
Zhang, G., A simple semi on-line algorithm for $P2//C_{\max}$ with a buffer 61 (1997) 145
Zheng, Y. and **H. Imai,** How to construct efficient signcryption schemes on elliptic curves 68 (1998) 227
Zhu, B., *see* **Cai, L.** 69 (1999) 127
Zhu, B., *see* **Poon, C.K.** 65 (1998) 201
Zhu, X., *see* **Guan, D.J.** 61 (1997) 77
Zimand, M., Large sets in AC^0 have many strings with low Kolmogorov complexity 62 (1997) 165
Zimand, M., Relative to a random oracle, P/poly is not measurable in EXP 69 (1999) 83
Zippel, R., Zero testing of algebraic functions 61 (1997) 63
Zito, M., *see* **Dunne, P.E.** 65 (1998) 17